PROCEEDINGS

OF THE

MADRAS GOVERNMENT

IN THE

PUBLIC WORKS DEPARTMENT,

BUILDINGS AND ROADS BRANCH,

FOR THE

MONTH OF JANUARY 1890.

Printed by Authority.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

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Divisional Office at Chettipett, Godávari District.—Estimate for a new building for the —, sanctioned with remarks.	1890. 11th Jan. No. 73 W.	...	18th Nov. 1889, No. 3277 W. 22nd Oct. 1889, No. 2995 W.
Corrugated Iron.—Local purchase of — prohibited except in cases of proved emergency and Superintending Engineer, V Circle, directed to submit proposals for keeping a stock for roofing purposes in the Public Works Stores.	11th Jan. No. 74 W.	...	2nd May 1888, No. 1280 W. 19th Mar. 1888, No. 893 W. 5th Dec. 1887, No. 3320 W.
Sub-Registrar's Office at Ariyalúr, Trichinopoly District.—Estimate for a —, sanctioned.	14th Jan. No. 87 W.	...	10th Dec. 1889, No. 3523 W. 3rd July 1889, No. 1753 W.
Quarters for men of the Army Hospital Native Corps at certain stations.—Estimates for —, sanctioned with remarks.	14th Jan. No. 88 W.	...	......
Postal and Telegraph Minor Works.—Orders on docket from the Government of India regarding the grants for — for 1890-91.	14th Jan. No. 89 W.	...	9th Dec. 1889, No. 3502 W.
Copy forwarded to the Government of India.	14th Jan. No. 90 W.	...	......
District Munsif's Court-house at Tanuku, Godávari District.—Estimate for a —, sanctioned.	14th Jan. No. 91 W.	...	21st April 1887, No. 1098 W. 10th Nov. 1887, No. 3019 W.
Divisional Accounts.—Orders on progress report submitted by the Examiner, Public Works Accounts, showing the receipt and disposal of — for November 1889.	14th Jan. No. 92 W.	...	9th Dec. 1889, No. 3504 W.
Masonry dam across the Valavanur, Tanjore District.—Correspondence explaining necessity and urgency for construction of —, ordered to be forwarded to the Government of India.	14th Jan. No. 94 W.	...	19th Dec. 1889, No. 5924 C. 9th Dec. 1889, No. 3506 W. 9th Dec. 1889, No. 3503 W. 29th Nov. 1889, No. 5608 C. 8th July 1889, No. 323 I.
Forwarded	14th Jan. No. 95 W.	...	......
Ordnance lines at Madras.—Correspondence relating to the provision of funds for re-roofing the —, ordered to be forwarded to the Government of India.	15th Jan. No. 101 W.	...	7th Dec. 1889, No. 3486 W. 20th Nov. 1889, No. 3295 W. 10th Sept. 1889, No. 2509 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1890.		(*Continued.*) 20th Aug. 1889, No. 2278 W. 5th Aug. 1889, No. 2104 W. 31st July 1889, No. 2059 W. 7th June 1889, No. 1515 W. 5th Jan. 1888, No. 2 W.
The Government of India, addressed ...	15th Jan. No. 102 W.	...	.....
Grants for certain Military Works.—Letter from the Government of India informing from what source — were made, communicated to the Examiner, Public Works Accounts.	16th Jan. No. 121 W.	...	......
Appropriations for works and repairs in the Irrigation Branch.—Resolution of the Government of India accepting the recommendations of the Committee on Public Works Accounts in regard to the detail in which — should be made, communicated to officers of the Public Works Department.	16th Jan. No. 125 W.	...	9th May 1889, No. 220 I.
Ophthalmic Hospital, Madras.—Sanctioning estimate of Rs. 846 for improving the sanitary condition of the grounds of the —.	16th Jan. No. 126 W.	...	22nd July 1889, No. 1972 W.
Contracts.—Opinion of the Government Solicitor as to what course should be adopted for non completion of a work by the time specified in the contract when time is provided as the essence of it, communicated to officers of the Public Works Department.	16th Jan. No. 130 W.	...	31st Oct. 1889, No. 3075 W.
Military Works Department.—Transfer of certain Military Upper Subordinates of the Madras Public Works Department to the —.	17th Jan. No. 135 W.	...	11th Jan. 1889, No. 153 C. 20th Dec. 1889, No. 5953 C. 12th Dec. 1889, No. 5827 C. 3rd Jan. 1890, No. 8 C. 10th Dec. 1889, No. 5796 C. 27th Nov. 1889, No. 5538 C. 21st Dec. 1889, Nos. 3645-46 W.
Latrines.—Two estimates amounting to Rs. 2,580 each for — for the East hutting lines and for the Pioneer lines at Bangalore, sanctioned.	18th Jan. No. 143 W.	...	20th Sept. 1889, Nos. 2604-2605 W. 20th Aug. 1889, No. 2155 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Water-supply for the Cantonment and Town of Bangalore.—Letter from the Government of India stating that it has been decided to place the preparation of a definite project for the — in the hands of the Inspector-General of Military Works in communication with the Resident in Mysore, recorded.	1890. 18th Jan. No. 154 W.	...	3rd Dec. 1889, No. 3432 W. 27th June 1889, Nos. 1682-83 W. 18th May 1889, Nos. 1326-27 W. 8th April 1889, No. 19 D. 3rd April 1889, No. 968 W. 27th Mar. 1889, No. 1620 C. 20th Mar. 1889, No. 1450 C. 9th Mar. 1889, Nos. 1222-23 C. 22nd Aug. 1888, Nos. $\frac{566\text{-}67}{A.}$ D. 16th July 1888, Nos. 2147-48 W. 14th July 1888, No. 479, Political. 13th July 1888, No. 409 D. 13th April 1888, No. 1107 W. 5th Nov. 1887, Nos. 2940-41 W. 20th Oct. 1887, No. 2810 W. 18th July 1887, No. 1924 W. 10th Sept. 1886, Nos. 2292-93 W.
Cheques.—Resolution of the Government of India regarding the writing and issue of —, communicated to officers of the Public Works Department for information and guidance.	21st Jan. No. 172 W.	...	......
Store Shed No. 1, Army Clothing Agency, Madras.—Estimate of Rs. 13,371 for extending —, sanctioned, and the Consulting Architect directed to transfer the plan and estimate and the sanctioned allotment for the works to the Superintending Engineer, Military Works Department, for execution.	21st Jan. No. 179 W.	...	14th Dec. 1889, No. 3581 W. 26th Nov. 1889, No. 3361 W. 3rd Sept. 1889, No. 2427 W. 14th May 1888, No. 1406 W. 10th May 1889, No. 1241 W. 29th Mar. 1889, Nos. 937-38 W. 2nd Dec. 1889, No. 3413 W.
Military Works Department.—Transferring certain officers to the —, and requesting Superintending Engineers to submit a statement of grants for Military Works, transferred to that department.	23rd Jan. No. 216 W.	...	......
Copy of the above, forwarded to the Government of India.	23rd Jan. No. 217 W.	...	......

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Roads in the Godávari district.—Estimates for repairing certain —, sanctioned.	1890. 24th Jan. No. 222 W.	...	......
Road.—Sanctioning estimate for constructing a — from Thulukuputty railway feeder on road No. 1 to Kamuseri in the Tinnevelly district.	24th Jan. No. 223 W.	...	......
Road in the left bank of the Gannaram canal.—Estimate of Rs. 9,160 for constructing and gravelling — from the 29th to the 31st mile, sanctioned.	24th Jan. No. 224 W.	...	......
Quarters for the Serjeant Instructor attached to the Kolar Gold Fields Company, Bangalore.—Revised estimate of Rs. 3,100 for providing —, sanctioned.	24th Jan. No. 225 W.	...	......
Police station-house in Buckinghampet, Bezváda.—Estimate of Rs. 3,190 for constructing a first-class —, sanctioned.	24th Jan. No. 226 W.	...	......
Twelve horse stalls for the Mounted Police, Madras.—Revised estimate of Rs. 4,228 for constructing — in the compound of the Presidency Magistrate's Court, Egmore, sanctioned.	24th Jan. No. 241 W.	...	......
Government buildings occupied as residences.—Resolution of the Government of India directing that in the preparation of the Capital and Revenue Accounts of — for 1889-90 to omit all previous revenue receipts and maintenance and interest charges leaving the column to "end of previous year" blank excepting that for "Capital outlay," communicated to Superintending Engineers and to the Examiner, Public Works Accounts.	24th Jan. No. 242 W.	...	25th June 1889, No. 1668 W. 22nd Sept. 1888, No. 2981 W.
Vouchers.—Resolution of the Government of India accepting the recommendation of the Committee on Public Works Accounts regarding — for petty payments and for payments for which it is difficult to obtain the payee's receipt, communicated to officers of the Public Works Department.	24th Jan. No. 243 W.	...	......
Sub-Registrar's office at Swamimalai, Tanjore district.—Estimate of Rs. 2,730 for constructing a —, sanctioned.	24th Jan. No. 244 W.	...	1st Feb. 1889, No. 269 W.
Cuddalore Bridge works.—Sanctioning estimate for the purchase of tools and plant required for the —.	24th Jan. No. 245 W.	...	......
Water-supply of Tinnevelly.—The Superintending Engineer, VI Circle, directed to arrange for working out a scheme for the — under the orders of the Executive Engineer in Tinnevelly Division, and to report the establishment required for the purpose.	24th Jan. No. 246 W.	...	4th July 1889, No. 454 D. 3rd June 1889, No. 1458 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Funds.—Orders on statement of savings and demands, V Circle, for quarter ending 31st December 1889.	1890. 27th Jan. No. 259 W.	...	20th Dec. 1889, No. 3631 W. 31st June 1889, No. 6009 C. 2nd June 1889, No. 5617 C. 13th Nov. 1889, No. 5276 C. 4th July 1889, No. 1762 W. 9th May 1889, Nos. 1225-26 W.
Artificers, &c.—List of — available in the 1st and 4th Madras Infantry (Pioneers) for employment in the Public Works Department.	27th Jan. No. 261 W.	...	......
Residences.—Letter from the Government of India declining to sanction the proposal to apply the provisions of Rule II of Resolution No. 479 B of 7th September 1888 to the buildings at Dowlaishweram occupied as — by the Superintending Engineers and to the Assistant Engineer quarters at Chettipett, communicated to the Superintending Engineer, I Circle.	27th Jan. No. 262 W.	...	5th Dec. 1889, Nos. 3466-67 W. 31st Oct. 1889, Nos. 3076-77 W. 26th July 1889, Nos. 2019-20 W. 30th Jan. 1889, No. 248 W. 22nd Sept. 1888, No. 2981 W. 13th Aug. 1888, Nos. 2445-46 W. 23rd June 1887, Nos. 1682-83 W. 22nd Sept. 1888, No. 2982 W. 29th Aug. 1888, Nos. 2683-84 W. 21st Jan. 1888, No. 250 W. 31st July 1888, No. 2868 C. 21st June 1888, No. 2311 C. 17th May 1888, No. 1919 C. 23rd Sept. 1886, No. 2464 W. 18th Aug. 1886, No. 2076 W. 24th July 1886, No. 1070 W. 18th Aug. 1886, No. 2076 W. 24th July 1886, No. 1070 W. 30th June 1886, Nos. 1652-53 W. 4th June 1886, No. 196 D. 28th Nov. 1884, No. 2944 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1889.	...	(*Continued.*) 24th Oct. 1884, Nos. 2606-2607 W. 29th Aug. 1884, No. 2137 W. 15th Aug. 1884, No. 2012 W. 19th Oct. 1886, Nos. 2758-59 W. 5th Oct. 1886, Nos. 2605-2606 W. 31st Mar. 1885, No. 799 D. 25th Sept. 1885, No. 2239 W. 23rd June 1885, No. 1458 W. 31st Mar. 1885, No. 801 W. 11th Mar. 1885, No. 574 W. 9th Mar. 1885, Nos. 556-57 W. 11th Aug. 1884, Nos. 1957-58 W.
Old Taluk Cutcherry at Cumbum.—The transfer of the — to the District Board for use as a chatram, sanctioned.	27th Jan. No. 263 W.	...	......
Post Office Building at Pundalore.—The Superintending Engineer, IV Circle, directed to have the — brought on the returns of the Public Works Department.	27th Jan. No. 264 W.	...	12th Nov. 1889, No. 5245 C. 29th Oct. 1889, No. 4913 C. 20th Feb. 1888, No. 595 W. 24th Jan. 1887, Nos. 3209-10 W 15th July 1887, No. 1909 W. 15th June 188 No. 1614 W 27th Jan. 1885, No. 216 W. 7th Jan. 1881, No. 17 W. 6th Nov. 1886, Nos. 2925-26 W.
Road No. 4, Trichinopoly District.—Estimate amounting to Rs. 13,800 for metalling 3 miles of —, sanctioned.	27th Jan. No. 266 W.	...	......
Cooking stove for the Officers' Mess, Fort St. George.—Ordered that the indent for the —, be forwarded to the Home Government for compliance.	27th Jan. No. 273 W.	...	......

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Indent, forwarded to the Home Government.	1890. 27th Jan. No. 274 W.	....	......
Copy of the indent, forwarded to the Government of India.	27th Jan. No. 275 W.	...	......
Stores.—Despatch from the Secretary of State communicating sanction to indents for certain — for the Public Works Department, communicated to the Superintending Engineer, V Circle.	29th Jan. No. 290 W.	...	16th Oct. 1889, Nos. 2915—17 W. 21st Sept. 1889, Nos. 2637-38 W.
Public Works Forms.—Ordered that the Government of India be requested to state as to whether the latitude hitherto allowed this Government in the matter of prescribing — suited to local requirements can no longer be exercised.	29th Jan. No. 302 W.	...	5th Dec. 1889, No. 3451 W. 10th Jan. 1890, No. 133 C. 14th Sept. 1888, No. 2871 W. 20th Mar. 1888, Nos. 916-17 W. 20th Jan. 1890, No. 358 C. 13th Mar. 1889, No. 754 W. 2nd Feb. 1889, No. 289 W. 22nd Dec. 1888, No. 4012 W. 14th Sept. 1888, Nos. 2882-83 W. 23rd July 1888, No. 2247 W. 7th May 1888, No. 1335 W. 4th Oct. 1887, Nos. 2610-11 W. 26th April 1887, Nos. 1146-47 W. 21st Sept. 1889, No. 2640 W. 20th Dec. 1889, No. 5949 C. 30th Sept. 1889, No. 4370 C. 10th Dec. 1889, No. 3517 W. 16th Nov. 1889, No. 3245 W. 16th Mar. 1889, No. 805 W. 4th Dec. 1889, No. 3446 W. 19th Oct. 1889, No. 2964 W.
The Government of India, requested accordingly.	29th Jan. No. 303 W.	...	......

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Allotments.—Sanctioning modification of certain — in the VI Circle.	1890. 30th Jan. No. 311 W.	..	......
urrenders and demands, IV Circle.—Orders on statement of — under "Imperial," "Provincial" and "Excluded Local Funds."	30th Jan. No. 312 W.	...	......
Superior Revenue Establishment, Traffic Department of State Railways.—Letter from the Government of India inquiring whether any young Cooper's Hill Engineer, not above the rank of 2nd-grade Assistant, is desirous of joining the —, communicated to the Superintending Engineers concerned and to the Railway Branch.	31st Jan. No. 315 W.	...	......
Victoria Hospital.—Estimate, amounting to Rs. 26,396 for constructing quarters for the Lady Superintendent and out-buildings for the —, sanctioned in supersession of estimate previously sanctioned for the out-buildings.	31st Jan. No. 326 W.	...	26th Nov. 1889, No. 3354 W. 9th Aug. 1888, No. 2423 W.

PUBLIC WORKS DEPARTMENT,

BUILDINGS AND ROADS BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT,

FOR THE MONTH OF JANUARY 1890.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 22nd October 1889, No. 4782.

I have the honor to submit for sanction a plan and estimate of Rs. 13,900 for reconstructing the bridge over the Karunguli river in the Chingleput district, together with extract from the Proceedings of the District Board, No. 4, dated 15th August 1889.

2. The bridge which crosses the surplus channel from Madurántakam tank was partially destroyed in December 1884, when the weir of this tank surplussed 8 feet in depth. But as this abnormal surplus discharge was due to floods from the Cheyár coming into the Madurántakam tank through a channel without any head-sluice where channel takes off from the river, and as the Chief Engineer for Irrigation has recognised the necessity for a head-sluice, there seems to be no necessity for enlarging the water-way of the old bridge.

3. The Local Fund Engineer however has provided more water-way for such abnormal high floods by provision for lowering the road in two places aggregating in length $750' \times 3\frac{1}{2}'$ in depth.

4. If the above named head-sluice is built before the north-east monsoon of 1890-91, there will be no necessity for thus lowering the road, making a reduction in ultimate cost of the project from Rs. 13,900 to Rs. 13,000.

5. I recommend that the estimate be sanctioned, the local inconvenience is such that a surplus of even 6″ over the weir renders the crossing of the river now very dangerous.

ORDER—dated 6th January 1890, No. 1 W., Public Works.

The estimate, amounting to Rs. 13,900, for the restoration of the bridge over the Karunguli (Kullar) river in the Chingleput district, is sanctioned.

2. This sanction has been registered as Local No. 35 W. of 1889-90.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
„ Local and Municipal Department, with four enclosures.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 6th.

Recd. *Encl.*

G.O., 6th Jan. 1890, No. 1 W.

JANUARY.

Bridge over the Karunguli (Kullar) River, Chingleput District

Estimate for restoration of the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper :—

From W. B. de WINTON, Esq., Executive Engineer, Presidency Division, to the Superintending Engineer, V Circle, dated Bangalore, 4th December 1889, No. 1020 S.E.

With reference to your No. 304 C., of 24th September 1889, I have the honor to report that a house has been, with your approval, hired for the occupation of the subordinates of various departments entitled to quarters, who are passing through or temporarily stationed in Madras.

2. The landlord's name is Mr. C. Patch. The house is situated in Ritherdon Road, Vepery, adjacent to Doveton College, and is in the most convenient position available.

3. The rent is Rs. 120 per mensem, which includes a gardener, paid by the landlord.

4. The house is available for one year certain, and is in good order, fitted with rattan mats and punkahs, and ready for immediate occupation.

5. The usual ordinary repairs to be executed by the owner.

6. A plan of the house is annexed, by which you will perceive that it includes accommodation for three families of the highest grade of either Warrant officers, Medical subordinates or Sergeants.

7. I beg for formal sanction to the hiring of this house, so that an agreement may be entered into with the landlord.

No. 6257.

Forwarded to Chief Engineer, Public Works Department, for approval of Government, with reference to G.O., No. 2489 W., dated 9th September 1889.

(Signed) W. H. BURTON, Colonel, R.E.,
Superintending Engineer, V Circle.

20th December 1889.

Order—dated 6th January 1890, No. 2 W., Public Works.

Sanctioned.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with plan.
,, Examiner, Public Works Accounts.
,, Public Department.
,, Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 6th.

Recd. *Encl.*

G.O., 6th Jan. 1890, No. 2 W.

JANUARY.

Mr. Patch's house in Ritherdon Road, Vepery

The hiring of — for one year, for the accommodation of Warrant and Non-commissioned officers entitled to free quarters when passing through Madras, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From H. M. WINTERBOTHAM, Esq., Collector of Malabar, to the Superintending Engineer, IV Circle, dated Calicut, 8th October 1889, No. 3226-P.

In reply to your letter (enclosures returned herewith), dated 4th September 1889, No. 241-M., I have the honor to state that a reconstruction of the buildings lately occupied as the Sub-Collector's office, on the same plan, cannot be recommended. They were merely used as a temporary make-shift and were very inconvenient. The site is an excellent one for the Sub-Collector's office, and proper buildings will, I have no doubt, be eventually erected upon it. It is specially necessary that a spacious and commodious room should be provided for a court to which the public may have reasonable access. This cannot be got by repairing or reconstructing the old edifice.

2. The accommodation enjoyed by the Sub-Collector and his staff in the old jail is by no means all that could be wished, but it is sufficient to prevent the want of an office being felt as a pressing matter. I therefore think that the old buildings should be entirely razed, as the first step to building a commodious and handsome court and offices, as soon as funds are available.

3. The house of the Sub-Collector alluded to in His Excellency's minute is entirely separate and distinct from the old office buildings.

No. 452 E.W.

Copy submitted to the Chief Engineer, Public Works Department, with the correspondence noted in the margin for orders of Government.

Copy of letter No. 241 M., dated 4th September 1889, with its four enclosures.

(Signed) H. M. VIBART, Colonel, R.E.,
Superintending Engineer, IV Circle.

14th October 1889.

No. 4838 C.

Referred to the Revenue Department for favor of opinion whether the building recently used as the Sub-Collector's office at Tellicherry should be demolished. It is a portion of the "Bremen property" purchased so recently as 1883 for Rs. 22,000—*vide* G.O., dated 2nd April 1883, No. 1377, Revenue, and previous correspondence.

(Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Col., R.E.,
Ag. Joint-Secy. to Govt., P.W.D.

24th October 1889.

G.O., dated 18th December 1889, No 8168, Revenue.

Read—Endorsement of the Public Works Department, dated 24th October 1889, No. 4838, inquiring whether the building recently used as the Sub-Collector's office at Tellicherry should be demolished.

Order—dated 18th December 1889, No. 8168, Revenue.

There appears to be no objection to the demolition of the building in question.

(True Extract.)

(Signed) J. GROSE,
Ag. Secy. to Government.

ORDER—dated 6th January 1890, No. 3 W., Public Works.

The demolition of the building recently used as the Sub-Collector's office at Tellicherry is sanctioned.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 6th.

Recd. *Encl.*

G.O., 6th Jan. 1890, No. 3 W.

JANUARY.

Sub-Collector's Office at Tellicherry

Demolition of the building recently used as the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

From J. D. GRANT, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 25th November 1889, No. 1139 G.N.

In continuation of my letter No. 1138 G.N., dated 27th instant, I have the honor to submit herewith, for sanction, a statement showing the modifications of allotments in the Ganjam division. The Ganjam Division officer's letter No. A, dated the 13th November 1889, herewith enclosed, contains reasons for the proposed modifications. With the exception for the surrender of Rs. 1,500 under Military Buildings, Repairs, I presume that the reason for this relinquishment is that there are no works of repair sufficient to work up the whole grant.

Order—dated 6th January 1890, No. 4 W., Public Works.

The following sums surrendered by the Superintending Engineer, I Circle, are resumed and credited to the Provincial reserve with the Government :—

	RS.
(1) Constructing 26 police huts at Parlákimedi	3,000
(2) District Munsif's Court at Sómpet	6,000
(3) Civil buildings, repairs, Ganjam division	2,000
Total ...	11,000

2. The following appropriations are made from the Provincial reserve :—

	RS.
(1) Additions and alterations to the Police Superintendent's office at Chatrapur	1,364
(2) District Munsif's Court at Aská	2,000
(3) Do. do. at Berhampore	2,000
(4) Civil buildings, Minor works, Ganjam division	3,300
Total ...	8,664

3. The sanction of the Government of India will be applied for to the following transfer of funds under Imperial, Military :—

From	RS.	*To*	RS.
Repairs, Ganjam division	1,500	Minor Works, Ganjam division ...	1,500

4. The question of providing funds as shown below for Minor Works, Miscellaneous Public Improvements in the Ganjam division under Excluded Local, Port funds, will be considered in the Financial Department:—

	RS.
Works	327
Establishment	75
Tools and plant	5
Total ...	407

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
,, Examiner, Public Works Accounts.
,, Financial Department.
,, Military Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 6th.

Recd. *Encl.*

G.O., 6th Jan. 1890, No. 4 W.

JANUARY.

Funds

Orders on letter from Superintending Engineer, I Circle, requesting sanction to certain modifications of allotments.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 4th December 1889, No. 4496 A.

With reference to the correspondence on the subject of the provision of suitable accommodation for a wing of British Infantry in Fort St. George, terminating with the Government Order as per margin,* I have been desired by the Commander-in-Chief to represent as follows for the consideration of Government.

* Dated 8th November 1889, No. 7742.

† P.G., dated 22nd November 1887, No. 7314.
,, ,, 19th September 1888, ,, 6321.
,, ,, 23rd October ,, ,, 7038.
,, ,, 14th November ,, ,, 7587.
,, ,, 12th August 1889, ,, 5434.
,, ,, 2nd September ,, ,, 6024.
,, ,, 1st October ,, ,, 6724.
,, ,, 15th ,, ,, ,, 7038.

2. As the result of the correspondence noted in the margin, † the following estimates for the improvement of the above accommodation have been sanctioned by Government for execution :—

	RS.
I.—Conversion of old Adjutant-General's office into barracks for 60 singlemen (Proceedings of Government, dated 22nd November 1887, No. 7314)	5,400
II.—Conversion of main-guard and adjacent officers' quarters into barracks for 70 singlemen (Proceedings of Government, dated 19th September 1888, No. 6321)	5,785
III.—Construction of 2 rooms and bath-rooms on second floor of Nos. 4 and 5 Field Officers' quarters in Fort St. George to adapt them for use as Surgeon-General's office (Proceedings of Government, dated 23rd October 1888, No. 7038 ; dated 14th November 1888, No. 7587 ; dated 2nd September 1889, No. 6024 ; dated 1st October 1889, No. 6724 ; and dated 8th November 1889, No. 7742).	4,915
Total ...	16,100

and money for the first two items has been allotted during the current year.

3. It has, however, now been found that considerable difficulty would be experienced, owing to the crowded state of the Fort, in providing suitable latrine accommodation for the 70 men proposed to be located in the main-guard block of buildings, which is situated at some distance from the present British Infantry latrines, and this difficulty, which was unfortunately overlooked when the question was originally discussed, has led to a reconsideration of the project, with the result recorded in the extract from proceedings of a Special Committee and in copy of letter, number and date as per margin, from the Surgeon-General, Her Majesty's Forces, herewith forwarded.

No. 3325, dated 22nd November 1889.

4. Shortly stated, the proposals of the Committee in substitution of the scheme already sanctioned are :—

	RS.
I.—The conversion of the Officers' and Staff-Sergeants' quarters on the east flank of the King's barracks into quarters for 100 singlemen at an estimated cost of	2,335
II.—Conversion of 12 married quarters in C. block family quarters into 7 quarters for Warrant Officers at an estimated cost of ...	165
III.—Conversion of No. 3 Captains' quarters into battery orderly-room, offices and stores, estimated cost	*Nil*
IV.—Conversion of existing rooms over main-guard into Adjutant's office, orderly-room, Quartermaster's and Paymaster's offices, estimated cost	*Nil*
V.—Demolition of certain old buildings to the north, south and west of the old canteen, and substitution of an iron railing for the wall of the infant school thus rendering it possible to locate 38 more men on the ground floor of King's barracks	805
Total ...	3,305

5. The advantages to be gained by the adoption of the revised proposals are :—

(*a*) A probable saving of about Rs. 13,000 on the estimates already sanctioned.
(*b*) Conversion of main-guard block and old Adjutant-General's office into quarters for single-men unnecessary, and consequent transfer of Surgeon-General's office and provision of additional latrine accommodation avoided.
(*c*) Accommodation of entire wing, British Infantry Battalion, in one block of buildings.
(*d*) Addition to the open spaces within the limits of the Fort, and consequent improved circulation of air and ventilation of existing barracks.

6. The demolition of the old canteen, specified as one of the buildings in No. 5 group of the Public Works list of military buildings, Madras Sub-division, has also been recommended in connection with the scheme for a Regimental Institute.

7. It will be observed that, provided the above demolitions recommended by the Committee be carried out, the Surgeon-General, Her Majesty's Forces, concurs in the recommendations of the Committee, including those with regard to the location of 38 additional men on the ground-floor of King's barrack, and, under these circumstances, I am to say that, should Government sanction the demolitions in question, His Excellency will withdraw the objections raised in this office letter as per margin to the residence of more than 24 men on the ground-floor of this barrack, and consent to the location thereon of additional 38 men as proposed by the Committee.

No. 2374 A., dated 29th June 1888, paras. 3 and 4 (printed in Proceedings of Government, No. 6321, dated 19th September 1888).

8. It is to be regretted that the project now submitted by the Committee was not previously thought of. In His Excellency's opinion it is preferable in every respect to that previously proposed, and sanction to which has been accorded by Government in the above three estimates, and Sir Charles Arbuthnot would, therefore, urge its acceptance in lieu of the former scheme, the recommendation of the Surgeon-General as to the demolition of the block of buildings marked T on plan III now used as a urinal for the men in King's barrack, and the substitution of a neat iron urinal being authorised at the same time. It has been ascertained by reference to the General Officer Commanding Madras District that he also is in favor of this demolition and substitution.

9. Further inquiries will be made as to the proposed demolition of the grand magazine and buildings marked K, L and M in plan III, now occupied by the adult and infant schools, and by the schoolmaster and schoolmistress, and should the proposals of the Committee in this respect prove feasible, a further communication will be made to Government on the subject.

Enclosures.

Proceedings of a Committee assembled at Fort St. George on the 21st October 1889, by order of Brigadier-General G. J. Smart, R.A., Commanding Madras District, under instructions from Army Head-quarters, for the purpose of considering certain proposals in connection with the extra accommodation required for the British Infantry stationed in Fort St. George.

President.

Brigadier-General G. J. Smart, R.A., Commanding Madras District.

Members.

Colonel F. Smalley, District Staff Officer, Madras District.

Major C. F. N. LeQuesne, Commanding Wing, 1st Battalion, Duke of Cornwall's Light Infantry.

Captain E. Pollock, R.A., Commanding No. 1 Battery, Eastern Division, Royal Artillery.

In attendance.

Colonel W. H. Burton, R.E., Superintending Engineer, No. V Circle.

Dy. Surg.-Genl. S. B. Roe, c.b., m.b., Her Majesty's Forces, Madras District.

The Committee, having assembled pursuant to order, proceed to inspect the various buildings in connection with the scheme now proposed, and are of opinion that the upper floor of the Staff Sergeants' quarters situated on the east flank of the King's barracks (plan No. III-Q) if converted into one large dormitory by arching the walls dividing the quarters and the rooms in the quarters, as shown in plan No. 1 annexed, ample and excellent accommodation would be afforded for 100 men.

The cost of this conversion will be Rs. 2,335, as per letter No. 4905, dated 28th ultimo, from the Superintending Engineer, V Circle, attached.

With reference to the conversion of a portion of the C block family quarters, plan No. III-R, into quarters for the Staff Sergeants displaced from the King's barracks, it appears to the Committee to be necessary to consider what would be the requirements in this respect, in the event of the head-quarters of a regiment being located in Fort St. George; accommodation would in that case be required for two Warrant Officers, viz., Sergeant-Major and Band Master, and five Staff Sergeants, viz., Quartermaster-Sergeant, Orderly-room Sergeant, Paymaster Sergeant, Armourer Sergeant, and Sergeant Drummer. There are 27 quarters in the C block, and of these it is proposed to convert 12 into seven Warrant Officers' and Staff Sergeants' quarters in the manner shown in plan No. II attached; this conversion will cost Rs. 165 as per letter above referred to enclosed; there will then remain 15 quarters for the other families of the wing, of which there are 10 at present, but as there would undoubtedly be a larger number if the head-quarters are located in the Fort, any extra accommodation required for them, or married details attached, could be found in B block family quarters. Plan No. III-S, which also contains 27 quarters, and in which there are at present only the families of the Garrison Battery, six in number, not including the Master Gunner and the Battery orderly-room and offices as a temporary arrangement. these it would be necessary, and for many reasons it is now very desirable to remove, the Committee recommend that No 3 Captains' quarters, plan No. III-P (condemned as a quarter), should be handed over to the Battery as orderly-room, offices and store-rooms which were to have been located in the original scheme of conversion on the ground-floor of the old Adjutant-General's office.

The Committee consider that the rooms over the main-guard are well adapted, both as regards accommodation afforded and situation, for the Adjutant's office and orderly-room, now located in the Staff Sergeants' quarters in the King's barracks, also for Quartermaster office; space is also here available for a Paymaster's office in the event of one being required, no alterations are required and consequently no expenditure.

The conversion of the Staff Sergeant's quarters into a dormitory and the provision of accommodation for that displaced thereby having been considered, the Committee would most strongly beg to recommend the demolition of at least the buildings on the north, south and west of the refreshment room (old canteen) marked A, B, C on plan III attached and the substitution of an iron railing for the wall of the infant school yard D.D.D., plan III, the demolition would cost nothing, and iron railing about Rs. 805, *vide* estimate attached. These buildings, which contain Quartermaster and Paymaster offices, Quartermaster's stores and Non-commissioned officer's room are not required; the two first being provided for in rooms over main-guard as already shown, and the others on the disused portion of the ground-floor of the King's barracks, or in some of the Pay Sergeant's rooms there situated, and Regimental Institute respectively.

The demolition of these buildings would not only allow of a freer circulation of air, but would admit of a larger number of men being permanently located on the ground-floor of the

King's barracks. The Committee are aware His Excellency the Commander-in-Chief is not favorable to the re-occupation of this floor permanently to a greater extent than that already sanctioned, but the demolition recommended would so open out and improve the ventilation of a large portion of the ground-floor on the east flank that the Committee, after carefully considering the subject, are of opinion that 38 men might well be permanently located here, in addition to the 24 already sanctioned, with all due regard to comfort, health and sanitation; and by this arrangement not only would the additional accommodation required be obtained, and the whole of the Infantry located in one building (undoubtedly a great advantage), but the conversion of the old Adjutant-General's office and main-guard block and provision of a latrine in connection therewith rendered unnecessary, and two of the best quarters in the Fort retained, but the large saving of nearly Rs. 13,000 effected to the State or set free for some other urgently required work, such for instance as the construction of stables and coach-houses on the site of the old gas works, and a portion of this sum might, with great advantage, be expended in improving the men's latrine of the King's barracks, which is that for a full regiment, and has many defects.

* * * * *

(Signed) G. J. SMART, Brigdr.-Genl.,
Commdg. Madras District. } President.

(„) F. SMALLEY, Colonel,
District Staff Officer,
Madras District.

(„) C. F. N. LEQUESNE, Major,
Commdg. Wing, 1st Battn.,
Duke of Cornwall's L. I.

(„) E. POLLOCK, Captain,
Commanding No. 1 Battery,
Eastern Division, Royal Artillery. } Members.

(„) W. H. BURTON, Col., R.E.,
Superintending Engineer, V Circle.

(„) S. B. ROE, M.B.,
Dy. Surg.-Genl., H. M's. Forces,
Madras District. } In attendance.

(True Extract.)

(Signed) A. G. HUTCHINS, Colonel,
Deputy Quartermaster-General.

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the District Staff Officer, Madras District, dated Chepâk, 28th October 1889, No. 4905.

With reference to the Proceedings of the Brigadier-General's Committee which I attended in Fort St. George on Thursday last the 24th instant, I have the honor to state that providing quarters for Staff Sergeants in C block married soldiers' quarters, as shown on enclosed plan, will cost about Rs. 165.

2. Also that throwing down such of the cross walls in upper storey as do not support the roof, and making 16 foot half circular arches in those walls which do support the roof in the King's barrack in the portion now occupied by ten staff Sergeants, &c., will cost about Rs. 2,335.

3 If these works are approved of by His Excellency the Commander in-Chief as deviations from those sanctioned by Government, as alterations to main-guard, old Adjutant-General's office, and additional storey to No. 465 Field Officer's quarters, I would request to be so informed by telegraph.

FORT ST. GEORGE ST. MARY'S CHARITY SCHOOL.—Dismantling compound wall and enclosing with iron rails.

						RS. A. P.		RS.
1	148	1-3	6-6	1202-6	Dismantling compound wall ..	1 9 0	100 C. ft.	19
1	300	..	5	..	Three-quarter inch square iron barred rails 6 inches w. part with flat iron (2⅓" × ½") top and bottom frames including fixing.	2 8 0	P. feet ..	750
					Carting rubbish	..	..	10
					Contingencies	..	..	26
							Total ..	805

(Signed) R. W. MACALISTER,
Sub-Divisional Officer.

From Sir J. A. HANBURY, M.B., K.C.B., Surgeon-General, Her Majesty's Forces, to the Quartermaster-General, Ootacamund, dated Fort St. George, 22nd November 1889, No. 3325.

No. 4123-A (Accommodation for Troops—European), dated 14th November 1889.

With reference to the papers forwarded with your letter noted in the margin, the enclosures of which are herewith returned, I have the honor to state, for the information of His Excellency the Commander-in-Chief, that I quite concur in the opinions expressed in the Proceedings of the Committee assembled at Fort St. George on the 21st October 1889 regarding the conversion of certain buildings and demolition of others, so as to afford the required extra accommodation for troops, and, in addition, I would strongly recommend that the block of buildings containing urinals and some barrack stores be removed, and urinals of corrugated iron be erected in their place, the outer walls of which should not reach lower than 2 feet from the ground. The removal of this block I regard as of great importance (from a sanitary point of view) to the neighbouring buildings, as the block in question and its surroundings appear to be saturated with foul matter.

No. 8571, Military.

Transferred to the Public Works Department for disposal with reference to the undermentioned Proceedings of Government :—

No. 3000 W., dated 9th November 1887.
,, 2612 W., ,, 24th August 1888.
,, 3145 W., ,, 8th October ,,
,, 3566 W., ,, 8th November 1888.
,, 1968 W., ,, 22nd July 1889.
,, 2236 W., ,, 16th August 1889.
,, 2600 W., ,, 19th September 1889.
,, 2733 W., ,, 30th September ,,
,, 7038 (Military), dated 15th October 1889.

2. The revised proposals now submitted are generally approved.

(By Order.)

FORT ST. GEORGE,
11th December 1889.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

ORDER—dated 6th January 1890, No. 5 W., Public Works.

Communicated to the Superintending Engineer, V Circle, for early submission of estimates in accordance with His Excellency the Commander-in-Chief's proposals.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with three plans.
,, Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 6th.

Recd. *Encl.*

G.O., 6th Jan. 1890, No. 5 W.

JANUARY.

Accommodation for a Wing of British Infantry in Fort St. George

Letter from the Quartermaster submitting revised proposals for providing —, communicated to the Superintending Engineer, V Circle, for early submission of estimates.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

G.O., dated 17th December 1889, Mis. No. 8131, Revenue.

Read—the following letter from W. HUGHES, Esq., Executive Engineer, in charge of VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 7th November 1889, No. 920 M.D. :—

With reference to G.O., No. 2673 W., of the 25th September 1889, cancelling G.O., No. 1268 W., of 13th May 1889, regarding instruction to be given by this department to subordinate Forest officers in levelling, I have the honor to request that you will be good enough to let me know whether G.O., No. 1308 W., of the 3rd May 1888, is now superseded or not by the Government order under reference.

2. By G.O., of 3rd May 1888, above quoted, the examination in levelling of subordinates of the Forest department was to be undertaken by officers of Public Works Department; but under the G.O. of 25th September 1889, No. 2673 W., instruction in levelling is to be given to those subordinates by superior officers of the Forest department. It is therefore a question why the officers who are required to give instructions in levelling should not undertake the examination of their subordinates.

3. I make this reference as the Forest officer, Madura, has, in a letter, dated 1st November 1889, asked me to arrange for the examination of one of the Forest rangers, Mr. Kelly, in levelling.

No. 5258 C.

Referred to the Revenue Department with advertence to G.O. in that department, No. 5855, dated 12th September 1889.

(By order.)

(Signed) W. L. C. BADDELEY, Captain, R.E.,
Under-Secretary to Govt., P.W.D.

13th November 1889.

Order—dated 17th December 1889, Mis. No. 8131, Revenue.

The Government considers that the examination should be conducted by officers of the Public Works Department.

(True Extract.)

(Signed) J. GROSE,
Ag. Secretary to Government.

ORDER—dated 6th January 1890, No. 8 W., Public Works.

Communicated to Superintending Engineers, in continuation of G.O., No. 2673 W., dated 25th September 1889.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 6th.

Recd. *Encl.*

G.O., 6th Jan. 1890, No. 8 W.

JANUARY.

Examination of Forest officers in levelling

Proceedings, Revenue Department, directing that the — should be conducted by officers of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Circular from the Government of India, Public Works Department (Account—General), dated Calcutta, 14th December 1889, No. 36, Public Works.

Relation of Examiners of Public Works Accounts to Local Governments and Administrations and to Officers of the Executive Branch of the Department.

Read—the following extracts from the report by the Committee on Public Works Accounts :—

Causes of dissatisfaction.

31. *Overlapping of duties.*—The Committee is of opinion that the serious outcry * against the burden of the accounts is to some extent due to the limits of the provinces of the Examiner and Executive officers overlapping each other. There can be no doubt that it is necessary for good administration to have accounts carefully kept, and to subject the transactions to an independent audit; but the Committee thinks that great care and considerable discretion should be exercised in raising objections in audit. When a sanction is exceeded or a distinct rule of Government directly infringed, there is no question but that objection should be taken in audit on the discovery of the irregularity; but in doubtful cases, and specially where a question arises whether an officer has exceeded powers entrusted to him or not, the Committee thinks that the raising of an objection in audit is the least satisfactory method of initiating action; and that, as a rule, the Examiner should in such cases first represent the matter to the Superintending Engineer or to the Local Government, so that the officer may, if necessary, be brought to account, not by the auditor, but by his own official superior.

* *Vide* paras. 16 and 17 of the report.

32. *Audit objections.*—It appears to the Committee to be more conducive to good administration to accept the rulings of an administrative officer within the general powers entrusted to him, even if they be on occasion apparently open to question, than to be frequently raising objection to his action in audit.

33. *Remarks on accounts.*—The Committee further considers that remarks upon the accounts should be carefully reduced to sensible criticisms, to which it is of some importance to the State, that the Executive Engineer or his accountant should give attention. The Examiner, while careful to point out irregularities and indicate the remedies, should not be too precise in trifling matters which are of no real importance to the finances of the State, but which may be made very troublesome to those who have to account for them, *vide* Code II, XIV, 48.

34. *Province of Examiner.*—The Committee, in its recommendation on the subject of audit of works' outlay by sub-heads of estimate, has endeavoured to remove one instance of the overlapping of duties; and it thinks that Examiners should be forbidden from directly questioning the orders of Executive officers within their powers on travelling allowance and other personal questions, it being always open to them to bring to the notice of the Local Government cases of apparent abuse of powers, and they being in fact required to so do.

35. The Committee finds that there is some feeling in the department to the effect that Examiners at times step beyond their province, and thinks that this feeling is to a certain extent justified.

* * * * *

393. The Committee has made, in paras. 31 to 35 above, some remarks on the general question of the duties of the Examiner as they affect Executive Engineers. To these it would invite attention. While not in any way desiring to recommend interference with the independence of the Examiner as an auditor and accountant, the Committee thinks the suggestions made in the paragraphs quoted should be given effect to.

394. The Committee further suggests that it should be necessary for the Examiner to obtain the sanction of the Local Government or Administration and the Accountant-General, Public Works Department, before introducing any new return or form, or making any fresh general call upon Executive Engineers for information.

Read—also Public Works Department Code, Volume I, Chapter III, Paras. 111—131, and Volume II, Chapter XIV, Paras. 37, 39, 48 and 57.

Resolution—In regard to the subjects referred to in paras. 31—35 of the Committee's report, the Government of India is of opinion that it is only possible to lay down general principles or rules; the application of these principles or rules to individual cases must necessarily be left to the discretion and tact of the officers concerned.

2. The orders in Chapter III, paras. 114, 127 and 128 of the Code, may be explained in the following manner. It is usually found convenient for a Local Government, before passing orders, to obtain the advice of the Examiner as to any particular application of financial rules or orders concerning which there may be doubt; also, whenever an Examiner is of opinion that any proceeding of a Local Government is at variance with any such rule or order, it is his duty to represent the matter to the Local Government accordingly.

3. In either case the Local Government may follow or disregard the advice of the Examiner as may seem to it right. But if the Examiner does not finally acquiesce in the correctness of the decision of the Local Government, it is his duty to request the Local Government to submit the question for the orders of the Supreme Government. The Local Government must not withhold any such representation made by an Examiner, unless it yields thereto.

4. In any case in which the Examiner feels doubt as to what his advice should be, or whether he would be right to acquiesce in the final orders of the Local Government he should refer the question to the Accountant-General, Public Works Department, for instructions.

5. In auditing departmental accounts an Examiner will disallow charges only where they are clearly inadmissible, or where a rule has been distinctly infringed. In doubtful cases he will pass the charge provisionally and ask for an explanation from the responsible officer. If the explanation satisfies neither the Examiner nor the Superintending Engineer, the item should be retrenched; but if the Superintending Engineer accepts the explanation, the Examiner, if not satisfied, should still pass the charge provisionally, reporting the circumstances of the case to the Chief Engineer or the Local Government for orders. His subsequent action will be in accordance with the instructions contained in paras. 2, 3 and 4 of this Resolution.

6. With reference to para. 394 of the report, the Government of India is pleased to extend the provisions of para. 131 of Chapter III of the Code. In future the Examiner should not, of his own motion, make any general call upon Executive Engineers for information without the authority of the Local Government or of the Accountant-General.

7. These orders are applicable to all branches of the Public Works Department and to the Telegraph Department. Local Government includes Local Administration and head of a Railway.

Order—Ordered that a copy of the foregoing be forwarded to Local Governments and Administrations, and to the officers named in the margin, for information and guidance.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General, Central India, Rajputana and Baluchistan.
The Director-General of Railways.
The Accountant-General, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director-General of Telegraphs.
The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow and Central Division.

Ordered also that a copy be forwarded to the Finance Department and the Comptroller-General for information.

(Signed) R. C. B. PEMBERTON, Colonel, R.E.,
Secretary to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

ORDER—dated 6th January 1890, No. 9 W., Public Works.

Communicated to the officers of the Public Works Department for information and guidance.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
,, Consulting Engineer for Railways.
,, Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 6th.

Recd. *Encl.*

G.O., 6th Jan. 1890, No. 9 W.

JANUARY.

Examiners of Public Works Accounts

Circular from the Government of India issuing instructions in regard to the relation of — to Local Governments and Administrations and to officers of the executive branch of the department, communicated to officers of the department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Circular from the Government of India, Public Works Department (Account—General), dated Calcutta, 13th December 1889, No. 35, Public Works.

Liabilities.

Read—the following extract from the Report by the Committee on Public Works Accounts :—

SUBJECT No. V.

Liabilities.

203. The question whether it be necessary or not to record liabilities in the accounts of works; and, if so, to what extent, is one upon which there has been much discussion. The orders on the subject will be found in Code II, XIII, 69. We are not now concerned with the keeping of an account against grant of liabilities to be adjusted by transfer. That question is dealt with under subject No. IXA.

204. Liabilities are of various kinds—

(1) Orders given to other divisions or departments which will not be met by a payment in the division.
(2) Orders given to tradesmen, contractors, and others, which will be paid for in the division.
(3) Work done but not measured up.
(4) Materials supplied to stock but not paid for.
(5) Materials supplied direct to works but not paid for.
(6) Labor for a period on account of which no disbursement has been made.
(7) Contract certificates passed but not paid.
(8) Sums unpaid on contractors' certificates or on muster rolls, on which part payments have been made.

205. *What classes may be included in works' accounts.*—It has never been proposed to include, in the accounts of works, liabilities of classes 1, 2 and 3: they are too indefinite for entry in accounts. Liabilities of class 4 are now invariably taken into account; they are debited to stock by credit to purchases as a consequence of the entry of the materials in the receipt returns of stock. Sums falling under head (8), the Committee proposes, should be included in the works ledger (*vide* subject No. VI), under final sub-heads, the balance due being deducted on the right hand side, so as to make the net debit to the work or service correspond with the cash payment, which alone is charged off to grant.

206. It is with respect to liabilities of the classes mentioned under 5, 6 and 7 that there is any question.

207. *Use of works' accounts.*—A few officers think that they should be able to see from their account of each work for each month the exact rates at which they are working; others consider that rates should be separately taken out now and again as wanted. The information desired by the first of these classes of officers is not afforded to them by the present day books, but it should, theoretically, be obtainable from the present register of works.

208. *Accounts to be based on cash payments.*—The Committee, after carefully weighing the arguments advanced in the case, inclines to agree with the officers who think that accounts based on cash payments are sufficient for the control of works in progress. It is clear from para. 204 above that under no circumstances can the bulk of the liabilities be brought into the works' accounts. It will be observed that the Code order quoted expressly excludes work done which has not been measured and certified to. It is also the fact that, apart from unpaid items on partially paid documents, the introduction of liabilities complicates the accounts greatly.

209. *Rates to be worked out when required.*—There should be no necessity for taking out the working rate every month for each sub-head. The executive officer, when he commences operations, settles what labor and quantities of materials he can authorise and issue, and this is a sufficient guide for some time to come. It is remarkable that some of the strongest advocates of the full introduction of liabilities into the accounts are also the strongest advocates for giving up the record of outlay on works by sub-heads.

210. The officers in favor of excluding liabilities and of basing the accounts on cash payments consider that they can, from such accounts, get all the information regarding rates they require. When the works are completed the correct rates are, of course, available for fixing responsibility for divergence from the estimate and for future guidance in framing estimates.

211. The Committee therefore recommends that the works' accounts (the entries in the works ledger, *vide* subject No. VI) be, as a rule, based on cash payments only, and that no further account be taken of liabilities than to include wages unpaid on muster rolls partially paid, and amounts due to contractors on certificates on which some payment has been made.

212. *Watch over liabilities.*—The Committee is far from implying that officers should be in any way lax in connection with their liabilities: the opposite is the case. Under the arrangement proposed it will be more incumbent than ever upon executive officers to keep their measurements and payments closely up to date, and Superintending Engineers and Examiners should give this matter their special attention. The Committee has suggested that all important liabilities should be noted monthly on the works slip (*vide* appendix Y).

213. *Special cases.*—In special cases where it seems to the Superintending or Executive Engineer necessary, the Committee thinks particulars of liabilities on account of contractors' bills passed but not paid, muster rolls for labor due, but on which no payment has been made, and the value of materials, not from stock, delivered at the work but not paid for, should be entered in the works ledger. The amount of all these items should be deducted in the column of the works ledger headed arrears due, and care would have to be taken, when the liabilities were discharged, that the final sub-heads were not again debited. The payments of such liabilities would be entered in the arrears column.

Resolution—The Government of India accepts the recommendation of the Committee. Unless, as suggested in para 13, a Superintending Engineer may, for special reasons, think it necessary to rule otherwise in any particular case, an Executive Engineer's accounts will, in future, exclude liabilities, but stock purchased on credit will, as at present, be at once brought to debit through the medium of the account of purchases, and accounts of works, when kept in detail by sub-heads, will exhibit, under the sub-heads, the unpaid portions of muster rolls partially paid, as well as amounts due to contractors on certificates on which part payment has been made.

2. The permission now granted to omit certain classes of liabilities from the accounts must not be held to imply that less attention need be paid to them. Executive Engineers are responsible for keeping a strict watch over them and for reducing them, as far as possible, by means of prompt measurements and payments. The Committee's recommendation that important liabilities should be brought to notice on the works slip is approved.

3. This Resolution is applicable to the Buildings and Roads, Irrigation, and Railway Construction Branches of the Department.

For information and guidance.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners, Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana and Biluchistan.
The Accountant-General, Public Works Department.
The Director-General of Railways.

For information only.

The Resident at Mysore.
The Director-General of Telegraphs.
The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow, and Central Division.
The Superintendent of Port Blair, and Chief Commissioner, Andaman and Nicobar Islands.
The Comptroller-General.

Order—Ordered that the foregoing be communicated to the Local Governments and Administrations, and to the officers noted in the margin, for information and guidance.

Ordered also that a copy be sent to the officers noted in the margin for information.

(Signed) R. C. B. PEMBERTON, Colonel, R.E.,
Secretary to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

ORDER—dated 6th January 1890, No. 10 W., Public Works.

Communicated to the officers of the Public Works Department for information and guidance.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
,, Consulting Engineer for Railways.
,, Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 6th.

Recd. *Encl.*

G.O., 6th Jan. 1890, No. 10 W.

JANUARY.

Liabilities

Circular from the Government of India communicating instructions in regard to the omission of certain classes of — from the accounts, communicated to officers of the department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From the Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 11th December 1889, No. 2495 M.W.

In reply to your letter No. 3257, dated 18th November 1889, I am directed to state that, under the explanation therein afforded, the Government of India sanction the cost of Rs. 299, incurred in repairing the lock hospital at Bangalore, being debited against the Military estimates.

2. As regards the inquiry made in para. 1 of the Resolution of the Government of Madras, No. 2590 W., dated 19th September 1889, relative to the incidence of the cost of repairs to existing Military buildings connected with lock hospitals, I am to state that it having been decided in Military Department No. 932 M.W., dated 21st May 1888, that Cantonment funds should bear the cost of new buildings connected with these hospitals, the Government of India consider that they must also bear the cost of repairing existing buildings.

ORDER—dated 6th January 1890, No. 11 W., Public Works.

Communicated to the Superintending Engineer, V Circle, and the Examiner, Public Works Accounts, with reference to G.O., No. 2590 W., dated 19th September 1889.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
,, Examiner, Public Works Accounts.
,, Military Department, with copy of G.O.,
No. 2590 W., dated 19th November 1889.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 6th.

Recd. *Encl.*

G.O., 6th Jan. 1890, No. 11 W.

JANUARY.

Lock Hospital at Bangalore

Letter from the Government of India sanctioning the cost of Rs. 299 incurred in repairing the — being debited against the Military estimates, and stating that Cantonment funds should bear the cost of repairs to existing buildings, communicated to the officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From J. D. GRANT, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 10th December 1889, No. 1209 G.N.

With reference to your memorandum No. 5634 C., dated the 2nd December 1889, I have the honor to submit herewith a proposition statement in the prescribed form for the establishment required for the preparation of estimates for works in the estates of the Ganjam division. The proposition statement does not include provision for clearing jungle and contingent charges, for which a separate estimate will be sanctioned by me, the amount of which will be about Rs. 550. The balance of the lump sum, Rs. 5,500, will be sufficient to keep the proposed establishment employed for eleven months. I hope that with the sanctioned lump sum the work will be finished, but if necessary a revised allotment will have to be obtained from the Court of Wards.

[*Statement.*

Enclosure.

Proposition Statement for revision of the Court of Wards establishment of the Ganjam Division, I Circle.

Order sanctioning the present establishment Government of Madras, Public Works Department. — No.	Order sanctioning … — Date.	Office to which the proposition refers.	Nature of Change. — Present scale. — Number.	Present scale. — Designation.	Present scale. — Pay. — Minimum.	Present scale. — Pay. — Increment.	Present scale. — Pay. — Maximum.	Present scale. — Pay. — Average or fixed.	Proposed scale. — Number	Proposed scale. — Designation.	Proposed scale. — Pay. — Minimum.	Proposed scale. — Pay. — Increment.	Proposed scale. — Pay. — Maximum.	Proposed scale. — Pay. — Average or fixed.	Proposition. — Permanent. — Increase per month. — Amount.	Permanent. — Decrease per month. — Amount.	Temporary. — Increase per month. — Period.	Temporary. — Increase per month. — Amount.	Temporary. — Decrease per month. — Period.	Temporary. — Decrease per month. — Amount.	Remarks.
													RS.	RS.	RS.	RS.	MTHS.	RS.	MTHS.	RS.	
..	..	..	..	....	..	..	..	..	1	Overseer	..	..	150	150	..	..	11	150	..	..	
..	..	..	..	....	..	..	..	..	2	Surveyors, each at Rs. 80 ..	..	..	160	160	..	..	11	160	..	..	
..	..	..	..	....	..	..	..	..	1	Clerk	..	..	20	20	..	..	11	20	..	..	This amount will be met from the lump sum of Rs. 5,500 sanctioned by the Court of Wards.
..	..	..	..	....	..	..	..	..	13	Lascars, each at Rs. 6 ..	..	..	78	78	..	..	11	78	..	..	
..	..	..	..	....	..	..	..	..	1	Draftsman	..	..	40	40	..	..	11	40	..	..	
									18	Total ..	..	..	..	448	..	..	..	448	..	..	

Dowlaishweram,
11th December 1889.

(Signed) J. D. GRANT,
Superintending Engineer, I Circle.

From J. D. GRANT, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 10th December 1889, No. 1210 G.N.

With reference to your memorandum No. 5134 C., dated the 7th November 1889, I have the honor to submit herewith for sanction a proposition statement in the prescribed form for the survey establishment, &c., required to work under Mr. Foord, Executive Engineer, for the preparation of a water-supply and drainage scheme for the town of Berhampore.

2. I beg to state that the surveyors cannot be procured locally, and if the proposition statement now sent is sanctioned, I shall advertise for them, and endeavour to work this survey and the survey * for the estate works in the Ganjam district by means of the same surveyors if possible.

* See my No. 1209 G.N., of 10th December 1889.

ORDER—dated 7th January 1890, No. 30 W., Public Works.

The statement of establishment required for the preparation of estimates for estate works in the Ganjam division is sanctioned. The cost will be met from the allotment of Rs. 5,500 made for the purpose by the Court of Wards.

2. A temporary overseer has already been posted for the charge of the party, and the Superintending Engineer will take early steps to provide the survey establishment.

3. The Government notes that the Superintending Engineer hopes to have a scheme for the drainage and water-supply of the town of Berhampore worked with the aid of the same party.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Examiner, Public Works Accounts.
" Revenue Department.
" Local and Municipal Department.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 7th.

Recd. *Encl.*

G.O., 7th Jan. 1890, No. 30 W.

JANUARY.

Establishment

Statement of — required for the preparation of estimates for estate works in the Ganjam division, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

From J. D. GRANT, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 27th November 1889, No. 1138-G.N.

I have the honor to submit herewith an application for modification of allotments connected with the estate works in the Ganjam division, and to request that you will be so good as to obtain the sanction of the Court of Wards to the same. The Division Officer's letter No. 13/3, dated the 16th November 1889, with which the application has been received, is herewith enclosed. It will be observed from this letter that the surrenders proposed are due to almost all the subordinates having been employed on famine works.

2. With reference to para. 2 of the Executive Engineer's letter above quoted, I shall inform him that there is no objection to works being carried out in excess of modification of allotments now proposed and payments made in the next official year—*vide* G.O., No. 1975 W., dated 3rd July 1888.

Enclosure.

From A. M. FOORD, Esq., Executive Engineer, Ganjam division, to the Superintending Engineer, I Circle, dated Berhampore, 16th November 1889, No. 13/3.

I have the honor to forward herewith an application for additional or modification of allotments on estate works, and to inform that I have reduced my grants, in most cases, to the extent of sanctioned estimates in hand, as it will be too late hereafter to frame estimates, get them sanctioned and worked out before the end of the official year.

2. As the whole of the executive establishment has been fully engaged on famine works since June, they have been unable to keep their current work to date.

3. I request your sanction to go on with work in excess of grants entered if I am able to get in the estimates and to make payments for them in the next year.

Order—dated 7th January 1890, No. 31 W., Public Works.

With his letter above recorded the Superintending Engineer, I Circle, submits an application for modifications of allotments for estate works in the Ganjam division involving a net reduction of Rs. 73,700. The Court of Wards will be requested to approve of the proposed redistribution of grants, and a sum of Rs. 90,651, inclusive of the percentage charge for establishment, will be replaced at its disposal.

2. The large surrender of funds is regrettable, but arrangements are being made to provide a special establishment to complete the estimates for estate works in the Ganjam district.

3. With reference to para. 2 of the Superintending Engineer's letter, it is remarked that G.O., No. 1975 W., dated 3rd July 1888, only authorises the Public Works Department to incur expenditure in April, May and June against the allotments for the ensuing fasli year, but does not empower Executive Engineers to incur outlay in excess of allotment for the official year. In consideration, however, of the large grants now surrendered, the Executive Engineer may be informed that there is no objection to expenditure being incurred during the current official year in excess of the grants now reduced.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 7th.

Recd. *Encl.*

G.O., 7th Jan. 1890, No. 31 W.

JANUARY.

Funds

Orders on application from the Superintending Engineer, I Circle, for modifications of allotments for estate works in the Ganjam division.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

G.O., dated 4th November 1889, No. 7080, Revenue.

Read—again G.O., dated 28th October 1889, No. 6905, forwarding to the Commissioner of Salt, Abkári and Separate Revenue for remarks memorandum from the Public Works Department, dated 18th October 1889, No. 4747 C, inquiring whether a subordinate of the Salt Department can be deputed to supervise the repairs to the factory bund at Vayalur under the guidance of the Executive Engineer.

Read—also the following Proceedings of the Board of Revenue (Separate Revenue), dated 31st October 1889, Mis. No. 3750, on endorsement of Government, Revenue Department, dated 28th October 1889, No. 6905.

Resolution—dated 31st October 1889, Mis. No. 3750.

The Board beg to report that there will be no difficulty in providing an officer to supervise the repairs to the Vayalur bund under the guidance of the Executive Engineer. Either the Inspector or one of the Assistant Inspectors of the Ennore Circle can attend at the work daily for the present.

2. In his letter No. 4510, dated 12th October 1889, the Superintending Engineer, V Circle, requested that the amount of the estimate, Rs. 7,416, together with the percentage charges of Rs. 1,816 at 24½ per cent. on account of establishment, &c., should be placed at the disposal of the Public Works Department. Now that the Salt Department have been called upon to depute an officer for the supervision of the work, this latter amount, or the greater portion of it at least, should not be charged to the work.

Order—dated 4th November 1889, No. 7080, Revenue.

Communicated to the Public Works Department.

2. It will be considered in the Public Works Department whether, for the reason stated by the Board, the percentage charges on account of establishment, &c., cannot be reduced.

(True Extract.)

(Signed) J. GROSE,
Ag. Secretary to Government.

G.O., dated 12th November 1889, No. 7262, Revenue.

Read—again G.O., dated November 1889, No. 3094, Public Works.

Read—also the following Proceedings of the Board of Revenue (Separate Revenue), dated 28th October 1889, Mis. No. 3740, on G.O., dated 16th October 1889, No. 6674, Revenue.

Resolution—dated 28th October 1889, Mis. No. 3740.

The Board beg to report that the plans and estimates referred to in para. 2 of the Government Order were submitted to Government with Board's Proceedings, dated 14th October 1889, Mis No. 3602.

2. From an estimate received from the Superintending Engineer, V Circle, the Board observe that the repairs to the Vayalur bund referred to in para. 3 of the Government Order are likely to be completed before the setting in of the north-east monsoon. A provision of Rs. 9,500 has accordingly been made for the work in the revised estimate of the current year submitted with Board's Proceedings, dated 16th October 1889, No. 387, Press. As the amount of the estimate is so large, the Board suggest that it be recovered from the licensees in five equal annual instalments in the shape of a cess upon the salt sold.

Order—dated 12th November 1889, No. 7262, Revenue.

The Board of Revenue will expedite the submission of the estimate.

2 The Public Works Department will be informed that the necessary funds can be provided from the budget allotment of the Salt Department, and that orders have already been passed upon the question of deputing a Salt officer to supervise the repairs—(*vide* G.O., dated 4th November 1889, No. 7080).

3. It is observed that the remarks of the Superintending Engineer regarding the time within which the repairs may be expected to be finished do not agree with what is stated in para. 2 of Board's Proceedings, dated 28th October 1889, No. 3740.

4. The proposal in para. 3 of Board's Proceedings, dated 28th October 1889, No. 3740, is approved.

(True Extract.)

(Signed) J. GROSE,
Ag. Secretary to Government.

G.O., dated 2nd December 1889, No. 7764, Revenue.

Read—the following Proceedings of the Board of Revenue (Separate Revenue), dated 22nd November 1889, Mis. No. 4052, on G.O., Revenue Department, dated 12th November 1889, Mis. No. 7262.

Resolution—dated 22nd November 1889, Mis. No. 4052.

With reference to para. 1 of the Government Order, the Board begs to state that an estimate for the work was received from the Superintending Engineer, V Circle, and that it was returned, duly countersigned, with the Board's Proceedings, Mis. No. 3739, dated 28th October 1889, as requested by that officer.

2. The statement made in the first sentence of para. 2 of the Board's Proceedings, Mis. No. 3740, dated 28th October 1889, was based upon a remark in the estimate above referred to.

Order—dated 2nd December 1889, No. 7764, Revenue.

Communicated to the Public Works Department in continuation of G.O., dated 12th November 1889, No. 7262.

(True Extract.)

(Signed) J. GROSE,
Ag. Secretary to Government.

G.O., dated 13th December 1889, No. 8057, Revenue.

Read—the following extract from the Proceedings of the Board of Revenue (Separate Revenue), dated 3rd December 1889, No. 433, communicating Government Order sanctioning the original estimates for constructing platforms at the factories of the Ennore and Covelong Circles, and directing that no effort should be spared to have them completed in time for storage next season.

Para. 5. With reference to Board's Proceedings, Mis. No. 3750, dated 31st October 1889, it will be impossible now to provide for the supervision of the construction of the Vayalur bund as the whole of the superior establishment will be required to look after the works now about to be executed in the factories. The assent given in those proceedings to the proposal of the Department of Public Works must therefore be considered withdrawn.

Order—dated 13th December 1889, No. 8057, Revenue.

Recorded.

2. Para. 5 will be communicated to the Public Works Department with reference to G.O., dated 4th November 1889, No. 7080, Revenue.

(True Extract.)

(Signed) J. GROSE,
Ag. Secretary to Government.

Office note to Superintending Engineer, V Circle, dated 12th December 1889, No. 5819 C.

Office note from Superintending Engineer, V Circle, dated 17th December 1889, No. 6120.

The estimate of Rs. 7,416 for the Vayalur Salt factory embankment was returned to me, duly countersigned, with Revenue Board's Proceedings, Mis. No. 3739, dated 28th October 1889, with the intimation that funds have been provided for the work in the Salt revised estimate for the current year. The work being classed as Repairs, the estimate was sanctioned by me for execution. Two-thirds of the work have been carried out, and the remainder will be finished before the close of the official year.

ORDER—dated 7th January 1890, No. 32 W., Public Works.

From the papers above recorded, it will be observed that an estimate of Rs. 7,416 has been sanctioned by the Superintending Engineer, V Circle, for repairs to the Salt factory bund at Vayalur, and that a sum of Rs. 9,500 has been provided for the work in the revised estimate of the Salt Department for the current official year.

2. Under para. 1886 of the Public Works Code the expenditure on all works carried out by the Public Works Department for other departments should be treated as final charges in the Public Works Accounts, and if not provided for in the Public Works budgets the necessary grant should be transferred from the department

concerned. As the Salt funds are classified under Imperial and as no increase to the Imperial budget grants can be sanctioned by the local Government, *vide* para. 1546 of the Public Works Code, the sanction of the Government of India will be applied for to the transfer of Rs. 9,232 as shown below from the Salt to the Public Works Department :—

	RS.
Works	7,416
Establishment and tools and plant	1,816
Total ...	9,232

3. The Superintending Engineer should obtain the sanction of Government to the estimate as there is no allotment to the V Circle under Imperial Civil Works, Salt—*vide* para. 267 (*e*) of the Public Works Code.

(Here enter No. 33 W., dated 7th January 1890.)

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 7th.

Recd. *Encl.*

G.O., 7th Jan. 1890, No. 32 W.

JANUARY.

Salt Factory Bund at Vayalur

Ordered that the sanction of the Government of India be requested to certain transfer of funds on account of repairs to — and the Superintending Engineer, V Circle, directed to obtain the sanction of Government to the estimate for the work.

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

LIEUT.-COLONEL R. R. E. DRAKE-BROCKMAN, R.E.,
Ag. Joint Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

In forwarding a copy of Proceedings of this Government, No. 32 W., dated 7th January 1890, I am directed to request that the sanction of the Government of India to the transfer of funds referred to in para 2 of the Proceedings may be communicated at an early date.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

FORT ST. GEORGE,
7th January 1890.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 7th.

Recd. *Encl.*

7th Jan. 1890, No. 33 W.

JANUARY.

Salt Factory Bund at Vayalur

Requesting sanction to certain transfer of funds on account of repairs to the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From N. R. POGSON, Esq., C.I.E., Government Astronomer, to the Chief Secretary to Government, dated Madras, 9th December 1889.

Herewith, I have the honor to submit, in duplicate, an estimate for necessary repairs of the Government Observatory, amounting to Rs. 2,772, together with an accompanying report by H. Irwin, Esq., C.I.E., the Consulting Architect to Government. The repairs have been much needed for some years past, but were deferred, as the transit circle could not then be spared without serious inconvenience. This fine instrument, which cost, I believe, about £ 1,200, was under the very beams, the collapse of which was most imminent ; so after Mr. Irwin's warning I lost no time in dismounting and removing the transit circle on a strong temporary wooden roller stand to a more secure part of the observatory, pending the repairs of the transit circle room. The telescope cones, bearing the eyepiece and objective, the counterpoises, clamps, microscopes, &c., were all taken off on November 16th, assisted by workmen from Messrs. P. Orr & Sons ; and in consequence of the risk in case of heavy rain, the remainder of the instrument, weighing about 400 lb., was carefully removed bodily on Sunday, November 17th, and the building placed at the Consulting Architect's disposal for whatever emergent precautions in the way of propping and otherwise securing the roof he might consider necessary.

2. During the repairs of the transit room the Madras mean time has to be determined by means of a small transit instrument by Dollond, formerly in use between 1858 and 1862, but with which the time is less certain within half a second than it is within half-a-tenth of a second with the transit circle. The early completion of the repairs is most desirable and advantage will be taken meanwhile for thorough cleaning up of the large instrument on the spot under my own immediate superintendence with such help as I can obtain from Messrs. P. Orr & Sons.

Approved and transferred to the Public Works Department.

14th December 1889. (Signed) W. S. MEYER,
Ag. Under-Secretary.

ORDER—dated 7th January 1890, No. 34 W., Public Works.

The estimate, amounting to Rs. 2,772, for repairs to the Madras Observatory is sanctioned.

2. A sum of Rs. 2,772 is allotted for the work from the Provincial reserve with the Government.

The Consulting Architect should make arrangements for the execution of the work with the least possible delay.

3. This sanction has been registered as Provincial No. 98 W. of 1889-90 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with two enclosures.
,, Examiner, Public Works Accounts, with the duplicate abstract estimate.
,, Public Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 7th.

Recd. *Encl.*

G.O., 7th Jan. 1890, No. 34 W.

JANUARY.

Madras Observatory

Estimate for repairs to the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

Office note from the Examiner, Public Works Accounts, dated Madras, 20th December 1889, No. 1819.

Please see accompanying letter, No. 283 C., dated 10th December 1889, from the Executive Engineer, Presidency Division, requesting me, with reference to G.O., No. 3197 W., dated 11th November 1889, regarding the preparation of completion reports and certificates, to furnish him with the new draft form of completion report to enable him to print working forms.

2. As requests of this kind are becoming frequent in connection with new form referred to in this and similar orders, I would suggest that orders may be issued to the effect that, *unless otherwise expressly stated*, action on such orders must await codification and issue of forms. Some officers seem to think that I can supply the forms almost as soon as I receive the orders of Government.

Enclosure.

From W. B. deWINTON, Esq., Executive Engineer, Presidency Division, to the Examiner, Public Works Accounts, dated Bangalore, 10th December 1889, No. 283 C.

With reference to G.O., No. 3197 W., dated 11th November 1889, I have the honor to request you will be good enough to forward new draft form of completion report, so that copies may be printed for use.

Order—dated 7th January 1890, No. 35 W., Public Works.

The suggestion in para. 2 of the Examiner's note is approved.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" " Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 7th.

Recd. *Encl.*

G.O., 7th Jan. 1890, No. 35 W.

JANUARY.

Orders approved to be codified

Suggestion of the Examiner, Public Works Accounts, that, unless otherwise expressly stated, action on — must await codification and issue of forms, approved.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—again G.O., dated 28th November 1889, No. 3391, Public Works.

READ—also Office note from the Examiner, Public Works Accounts, dated 19th December 1889, No. 1817.

ORDER—dated 7th January 1890, No. 36 W., Public Works.

The last sentence of G.O., No. 3391 W., dated 28th November 1889, is cancelled, as it is not intended to make any alteration in form No. M. 152 A.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 7th.

Recd. *Encl.*

G.O., 7th Jan. 1890, No. 36 W.

JANUARY.

Journals

Last sentence of G.O., No. 3391 W., of 28th November 1889, ruling that — are not necessary for members of the petty establishment, cancelled.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From A. A. JOPP, Esq., Director-General of Stores, to the Secretary to the Government of Madras, Public Works Department, dated India Office, Whitehall, S.W., 11th December 1889, No. S. 14387.

With reference to your letter of the 12th October 1889, No. 2869 W., forwarding an indent for stores for the Madras Harbour Works, I am to observe that railway grease, as therein demanded, is never provided from this country for Indian State Railways, or for any other service. I am therefore to suggest the use of grease, or oil, obtained locally.

Order—dated 8th January 1890, No. 43 W., Public Works.

Communicated to the Chairman, Madras Harbour Trust Board, with reference to G.O., No. 2868 W., dated 12th October 1889.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chairman, Madras Harbour Trust Board.
,, Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 8th.

Recd. *Encl.*

G.O., 8th Jan. 1890, No. 43 W.

JANUARY.

Stores

Letter from the Director-General of Stores stating that railway grease demanded in the indent for —, required for the Madras Harbour Works, is never provided for any service, and suggesting that the same be obtained locally, communicated to the Chairman, Harbour Trust Board.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

Circular from the Government of India, Public Works Department (Account—General), dated Calcutta, 17th December 1889, No. 38, Public Works.

Errors in Vouchers.

Read—Para. 105 of the report by the Committee on Public Works Accounts:—

105. *Vouchers generally.*—The Committee thinks that no vouchers should ever be objected to for mistakes under an anna, except in rates; that corrections made in the details of an account need not be severally initialled, provided the corrected result is initialled; further, that vouchers should not be returned to the officer drawing them up, because they are not on the prescribed form, provided every essential requirement of the form is satisfied.

Resolution—The Government of India is pleased to empower Examiners of Accounts to pass finally errors of one anna or less in all vouchers for payments; of eight annas in such vouchers, of, or exceeding, Rs. 500 in amount, and of one rupee in vouchers for Rs. 1,000 or over. These errors are not to be overlooked as a matter of course; Examiners will use their discretion in each case, but it is expected that by means of the authority now given they will be able to themselves dispose of many trifling items, which have heretofore involved troublesome references to Executive Engineers.

2. The Government of India accepts the recommendations of the Committee that corrections made in the details of a bill on which money is paid need not be severally initialled, provided the corrected result is initialled; and that vouchers which fulfil all essential requirements shall be accepted in audit, though not drawn up on the prescribed form.

3. This order is applicable to all branches of the Public Works Department, and to the Telegraph Department.

For information and guidance.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General, Central India, Rajputana and Biluchistan.
The Director-General of Railways.
The Director-General of Telegraphs.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Accountant-General, Public Works Department.

For information only.

The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow and Central Division.
The Comptroller-General.

Order — Ordered that the foregoing be communicated to Local Governments and Administrations, and to the officers noted in the margin, for information and guidance.

Ordered also that a copy be communicated to the officers noted in the margin for information.

(Signed) R. C. B. PEMBERTON, Col., R.E.,
Secretary to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

ORDER—dated 8th January 1890, No. 44 W., Public Works.

Communicated to officers of the department for information and guidance.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D

To the Chief Engineer for Irrigation.
,, Consulting Engineer for Railways.
,, Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.
,, Examiner, Railway Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 8th.

Recd. *Encl.*

G.O., 8th Jan. 1890, No. 44 W.

JANUARY.

Vouchers

Circular from the Government of India empowering Examiners of Accounts to pass finally errors in — to certain amounts, and accepting recommendations of the committee in regard to initialling of corrections in the details of an account, communicated to the officers of the department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

Proceedings of the Board of Revenue (Land Revenue), dated 12th November 1889, Mis. No. 6906.

MR. H. W. BLISS.

Read—endorsement of the Collector of North Arcot, dated 31st October 1889, No. 5337-Rev. Genl., on letter from the Superintending Engineer, V Circle, dated 21st October 1889, No. 4746.

Resolution—dated 12th November 1889, Mis. No. 6906.

The plan and estimate for reconstructing the record-room of the taluk office at Gudiyátam, at a cost of Rs. 2,720, are submitted for the sanction of Government.

2. The Executive Engineer reports that the walls of the old record-room having cracked in many places and that the building itself having been in consequence in a dangerous state, he had it demolished to save materials. The Executive Engineer further reports that the new room to be substituted is to be according to the standard design, excepting in its length, which is to be extended from 40 feet in the standard plan to 53½ feet. The Collector explains that the extension is necessary to afford proper accommodation for the records, which in the old room had, in some cases, to be left on the floor.

(True Extract.)

(Signed) M. HAMMICK,
Secretary.

No. 7869, Revenue.

Approved and transferred to the Public Works Department.

FORT ST. GEORGE,
5th December 1889.

(Signed) J. GROSE,
Ag. Secretary to Government.

ORDER—dated 9th January 1890, No. 47 W., Public Works.

The estimate, amounting to Rs. 2,720, for reconstructing the record-room of the taluk office at Gudiyátam in the North Arcot district, is sanctioned.

2. This sanction has been registered as Provincial No. 99 W. of 1889-90 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with three enclosures.
,, Examiner, Public Works Accounts, with duplicate abstract estimate.
,, Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 9th.

Recd. *Encl.*

G.O., 9th Jan. 1890, No. 47 W.

JANUARY.

Taluk office at Gudiyatam, North Arcot district

Estimate for reconstructing the record-room of the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

From Colonel R. C. B. PEMBERTON, R.E., Secretary to the Government of India, Public Works Department (Account—General), to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 18th December 1889, No. 216-A.G.

I am directed to acknowledge the receipt of your letter No. 3083 W., dated the 1st November 1889, in which you submit proposals for the modification in certain cases of the certificate given by Examiners of Accounts on indents for stores required from England and to state, in reply, that, for the reasons given below, it does not appear to the Government of India that any modification is necessary.

2. It is apparently considered that, in the case of ordinary stock, the amount of grant up to which expenditure may be incurred is merely the net fluctuation in the balance, which is entered in the budget estimate. I am to point out that this view is not correct; the budget estimate of fluctuations in stock should be, and no doubt generally is, based on known or estimated charges and credits, due either to special circumstances or the normal purchases and issues in divisions; a copy of the details should be furnished to the Examiner of Accounts, and so long as he finds that the credits are being realised as expected, and the charges not in excess of anticipations, he may with all propriety certify that the budget estimate has made provision for funds to meet the outlay. This is the principle on which he audits the stock balances shown in the monthly accounts of Executive Engineers, and his action will be similar whether the expenditure on ordinary stock take place in India or in England.

3. I am directed to state, in conclusion, that, in such a case as the present, it would facilitate matters if the Examiner were, in the first instance, to communicate with the Accountant-General, Public Works Department, and obtain his views on the suggestions which he wishes to bring forward.

ORDER—dated 9th January 1890, No. 52 W., Public Works.

Communicated to the Examiner, Public Works Accounts, and to the officers of the department, for information and guidance, in continuation of G.O., No. 3082 W., dated 1st November 1889.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 9th.

Recd. *Encl.*

G.O., 9th Jan. 1890, No. 52 W.

JANUARY.

Certificates given by Examiners of Accounts on indents for stores required from England

Letter from the Government of India declining, for certain reasons, to sanction any modification of the —, communicated to the Examiner, Public Works Accounts, and to the officers of the department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Bangalore, 30th August 1889, No. 3548.

With reference to para. 4, G.O., No. 2028 W., dated 29th July 1889, I have the honor to state that I recommended the acquisition of the bungalows and land under the Land Acquisition Act because, as the bungalows have been built upon land set apart, or reserved by the Government in former years, for the purpose of a cantonment at St. Thomas' Mount (which is what I understand from para. 2 of the Quartermaster-General's letter printed with G.O., No. 3775 W., of 29th November 1888), my belief is that no proper title to the land on which they are built can be produced by the present refuted owners, and that both the land and all upon it belongs to the ground landlord (the Government). Now that a valuation of each old bungalow has been made public, nothing but recourse to Land Acquisition Act will enable us to get hold of these old buildings at anything like a just price.

2. The Executive Engineer's valuation was based upon the quantities of work in each house, and not upon the rental receivable for it ; one of the houses (Mrs. Leal's) had not been rented for past seventeen years, and the other one only was rented for Rs. 30 about four years ago. I should see, before finally having recourse to Land Acquisition Act, the terms on which the Quartermaster-General gave up the land for the erection of the houses ; if there is no record of such terms extant in Quartermaster-General's office, nor any produced by refuted owners, then I submit that the existence of houses constitute an unauthorised encroachment on Government land, the removal of which does not require to be compensated for.

Memo. No. 4131-C.

The Superintending Engineer is requested to make proper inquiries as ordered in para. 4 of G.O., No. 2028 W., dated 29th July 1889, as to the titles under which these properties are held, and to report the result for such further action under the Land Acquisition Act, or otherwise, as may be necessary.

CHEPÂK, 17th September 1889.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Chief Engineer, P.W.D., General
Buildings and Roads Branch.

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 18th December 1889, No. 6164.

With reference to your Memo. No. 4131 C., dated 17th September 1889, and G.O., No. 2976, dated 21st October 1889, I have the honor to report that I have to the best of my ability investigated the titles under which the building known as Saravana Chetty's bungalow at the Mount is now held by him, and believe that he has a good title thereto for the remainder of the 50 year lease terminating on the 11th May 1909.

2. As to the other bungalow, generally known as Mrs. Leal's, the present occupants have no title and can produce no title whatsoever. The history of this is as follows: on the 28th December 1863, Quartermaster William Wallace, R.A., for the consideration of rent and covenant (rent, Rs. 5-5-6 per annum—covenant, the 50 year lease with the Quartermaster-General) was allowed to take possession of the compound or land now forming the compound on which this house stands. Wallace sold remainder of his lease on 11th August 1864 to Parlane McFarlane for Rs. 1,500, and Parlane McFarlane's widow and sole executrix, Elizabeth McFarlane, by a deed of assignment, 11th September 1872, made over the house, &c., to the late John Richard Leal for the sum of Rs. 1,700.

3. John Richard Leal is said by his illegitimate daughter, Penelope Lovegrove Leal (now called Mrs. Leal), to have died on 21st March 1888; also her mother, Anastache, a native woman, says the same.

4. Leal left a will which has apparently never been proved, and which these two women show me together with Collector of Chingleput's receipt for annual ground rent of Rs. 5-5-6 as their title-deeds.

5. The will contains the most elaborate enumeration of John Richard Leal's effects and allots these to his four illegitimate children, two shillings to his legitimate children, and makes no mention whatsoever of the bungalow, &c., purchased ten years previous to his signing it (the will) for Rs. 1,700. The will is signed and dated 20th November 1882.

6. The present occupants, *i.e.*, the native woman Anastache, the late Leal's kept woman, and their illegitimate daughter Penelope Leal, have not, in my opinion, the shred of a title other than the counterpart of the lease in the Quartermaster-General's possession, and this even is not assigned by Wallace to McFarlane or by McFarlane to Leal, and I would recommend that Collector of Chingleput be directed to accept no more rent of Rs. 5-5-6 from these women and that they be summarily evicted.

7. The daughter's explanation of their position is this: "before her father died he did not give the bungalow to her mother, but he intended to do so, and he meant to leave a will to that effect, and he gave nothing to his other children"; and she has sold or lodged rather the counterpart of Wallace's lease with the Quartermaster-General with a Sahocar of the Mount, Balchund, and owes him Rs. 975 or thereabouts.

8. The most merciful thing to do would be for the Government to instruct the Executive Engineer to pay them, say, Rs. 250 in 25 equal monthly instalments, and pull the house down. Balchund offered to give me up the lease for Rs. 1,100 on the 14th November, but the two women want Rs. 4,000 I think.

ORDER—dated 9th January 1890, No. 53 W., Public Works.

The Superintending Engineer, V Circle, will take the necessary steps, in communication with the Collector, to acquire the properties in question under the provisions of Act X of 1870.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
,, Examiner, Public Works Accounts.
,, Revenue Department.
,, Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 9th.

Recd. *Encl.*

G.O., 9th Jan. 1890, No. 53 W.

JANUARY.

Buildings at St. Thomas' Mount

Superintending Engineer, V Circle, directed to arrange with the Collector of Chingleput for the acquisition of certain — under Act X of 1870.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From G. McWATTERS, Esq., M.A., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, Marine Department, dated Madras, 21st December 1889, No. 4819.

I have the honor to submit herewith, for the information and orders of Government, copy of letter from the Board's Engineer, No. 1095, dated 9th instant, furnishing information regarding the state of the foreshore and stone revetment north of the Harbour; also extract of proceedings and resolution passed thereon by the trustees last evening, who then visited and walked along the revetment. I also forward the estimate submitted by the Board's Engineer, with plan and tracing in duplicate.

2. The estimate it will be observed is for restoring the revetment throughout its whole length, but the trustees are of opinion that it will be sufficient for the present to repair only that portion of it from Masulah Boat Bay northward, as from the bay southward it is apparently in very much better condition.

3. The estimate will therefore be modified as follows :—

	RS.
Total	62,139
Deduct estimated cost of remaking revetment from Ráyapuram station to Masulah Boat Bay	28,366
	33,773
Add for cost of making up southern portion of revetment sufficiently to enable the line of railway to be taken along it	10,000
Total ...	43,773

With regard to the item of Rs. 10,000 inserted above it is merely approximate, and the Engineer will submit an estimate at an early date.

4. In anticipation of the sanction of Government the trustees have authorised their Engineer to at once procure sleepers, rails and fish-plates, &c., for laying a line of narrow-gauge railway, as sand is now being deposited by the southerly current which carries the sand along with it from the north. This current and the north-east monsoon may be expected to cease in February 1890, when the deposit of sand will have attained its maximum for the season, and should be at once secured by the restoration of the revetment; and it is essential, should orders be given to proceed with the work as proposed, that the Engineer should be ready to make an immediate start; while, should other means be adopted for securing the foreshore, the material purchased can be used for the Pallávaram quarry lines and beach improvements.

5. Referring to para. 2 of the Engineer's letter, he appears to be in error in stating that the property threatened with destruction by the sea during the next south-west monsoon belongs to Government; it consists of private property situate in Ráyapuram and upon the west side of Ghouse Mohideen Pettah Street, Cassimode, for which claims will arise unless some means are taken to protect it. It will be within the recollection of Government that the cost of the revetment aggregated Rs. 2,40,314 (*vide* memorandum attached), while the sum of Rs. 3,00,959 was paid in compensation.

6. The claims likely to arise for damage to property are an unknown quantity; but, unless the foreshore is protected, will probably ultimately extend to the Madras Railway Company General Stores and Ráyapuram Terminus, as it would appear to be only a matter of time for the present revetment to be entirely washed away unless maintained in efficient repair. In this connection I would remark that south of the Masulah Boat Bay the rubble appears to be settling down to a natural and permanent slope; but at the extreme north, the sea has attacked and completely washed away the *end* of the revetment, and in its present condition there appears reason to expect that the whole length will similarly in time be gradually dispersed altogether, when the destruction of property hitherto protected by it will follow as a matter of course.

7. It therefore appears to the trustees that to promptly restore the rubble to its original section at the northern portion, and afterwards to adopt some means of protecting the end, is the most economical course to pursue, indeed is the only one open.

8. I am therefore to request that very early orders may be issued, as unless the sand which is now accumulating be secured as far as practicable at the end of the present north-east monsoon, and further erosion prevented, heavy claims for damage to property at Cassimode are likely to arise before the close of the north-east monsoon of 1890-91; by which time also the cost of restoring the revetment would be considerably enhanced by reason of its continued depletion.

ENCLOSURES.

From A. L. POGSON, Esq., Engineer, Harbour Trust Board, to the Chairman, Harbour Trust Board, dated Madras, 9th December 1889, No. 1095.

In reply to your letter No. 4210, dated 18th November 1889, I now have the honor to furnish the information therein called for.

(*a*) and (*b*). The plan (tracing in triplicate) shows the extent of sand eroded and accreted during the years 1886, 1887 and 1888, also the present (November 1889) position of the shore line. The positions each year before 1886 have not been given for fear of confusing the plan, but the original shore line (that of 1876) has been given. The encroachment of the sea was similar from that date and position to the position shown for 1886 to what it has been since. A separate plan showing the comparative positions of high water mark each year immediately before the commencement of the north-east monsoon is not sent, as that information is given in the present one.

(*c*). The work of protecting the foreshore was commenced as far back as the year 1878, when Rs. 7,865 was spent upon it, and there has been a steady outlay upon it ever since. The total cost up to date being Rs. 3,02,608, of this Rs. 67,515 has been paid in compensation for houses and land.

The greatest expenditure was in the year 1882-83, when Rs. 98,178 was spent in protective works and Rs. 52,181 paid in compensation.

2. The plan of protection at first adopted was one recommended by Mr. Parkes. It consisted of rubble stone groynes running into the sea at right angles to the shore; these averaged 100 feet in length, were about 10 feet wide at the top and 8 feet above DeHavilland's mean sea level and had slopes of $1\frac{1}{2}$ to 1, and were placed from 300 to 400 feet apart. These groynes proved a failure. The sea washed the stone ashore, and the beach became lined with it. The plan then adopted was that of running a rubble stone revetment along the shore line (per plan and sections enclosed), thus utilizing the stone already cast there from the groynes by the sea. This revetment was 20 feet wide at the top, which was 11 feet above DeHavilland's mean sea level, and had slopes of $1\frac{1}{2}$ to 1. The present condition of the revetment is too low to prevent the waves from washing in land, and to neglect making it up to the required height will mean a heavy outlay next year to purchase valuable Government land and houses which the sea must encroach upon early next season; hence my reason for framing the estimate given below in para. (*e*).

(*d*). Mr. Thorowgood does not appear to have left on record any proposals or suggestions for protecting the coast line.

(*e*). The cause of the present erosion is due to the revetment having considerably settled, and flattened out seawards (as shown in the sections in neutral tint), so much so that the waves wash over it and draw the sand in shore through the rubble, and when this backing has been washed through, the rubble has flattened down with every wave.

3. In my opinion the only plan is to repair the existing protection by raising the revetment to the former 11 feet above DeHavilland's mean sea level as soon as all the accretion of sand has taken place, which will mean commencing to deposit stone by the end of February next at latest, and the probable cost will be Rs. 62,139 as per my estimate accompanying this letter. If no

action is taken to repair the revetment this February, much valuable land belonging to Government will have to be purchased, which next year will undoubtedly be washed away, whereas the sanction to the present estimated outlay will be the only means of showing a saving in the cost of the Harbour of Madras. It is for the trustees to decide at once what action they will take, as there is not time to refer the matter home for sanction. The work must be commenced about the middle of February, and it will take me all my time to procure the necessary railway materials and get the line of railway laid to commence the required protection by then.

It has long since been my wish to call the trustees' attention to this erosion at Cassimode, but as I was unable to place the present estimate before them without first securing accurate levels and sections of the existing revetment (to base my estimate upon), I have been obliged to delay calling attention to the matter until the sea was quiet enough to allow of the sections being taken.

4. The estimate now furnished gives (*a*) the cost of the necessary railway lines to convey the stone to Cassimode, and (*b*) outlay to secure the quantity of sand which will have accreted by the end of February, and the totals of these items, viz., Rs. 40,847, represents the required immediate outlay to prevent further erosion next season, or until the matter has been referred home to Sir A. Rendell as proposed; (*c*) gives cost of repairing the revetment to ensure safety to the roadway, Biden Home, and Carlton House.

The plate-laying will have to be commenced at once, and I propose to use the narrow-gauge system and purchase second-hand rails from the South Indian Railway hauling the stone with the narrow-gauge engine now on hire. The sleepers would have to be ordered at once to complete the required quantity and to replace the Harbour Works stock; I propose to draw up one.

EXTRACT of Proceedings of the Trustees of the Harbour of Madras at a Meeting held at the Offices of the Board on Friday the 20th day of December 1889.

* * * * * *

7. Read again letter from the Board's Engineer, No. 1095, dated 9th December 1889, furnishing particulars regarding the erosion of the sea at Cassimode, called for in their resolution No. 9 of 8th November 1889.

Read minutes by Captain W. L. C. Baddeley, R.E., Captain H. A. Street, H.M's.I.M., Messrs. Cowasjee Eduljee Panday, S. R. Turnbull, Mirza Mehdy Ispahani and M. Varadarajaloo Chetty.

The Trustees, accompanied by their Secretary and Engineer, visited the revetment north of the Harbour and examined the present condition of the same, from the point marked A at Ráyapuram to the point J at Cassimode (*vide* plan accompanying the Engineer's letter). The original dimensions, positions and extent of the revetment, as also the positions of the groynes previously constructed, but which had been washed away by the action of the sea, were pointed out by the Engineer, and the best method of protecting the foreshore discussed at length.

Resolved unanimously that, subject to the approval of Government, the revetment be made up to its original section, from Masulah Boat Bay northward to Cassimode, as proposed by the Board's Engineer; but that south of Masulah Boat Bay it be allowed to remain in its present condition, except in respect of such additions as may be needed to bring a narrow-gauge line of railway along it. Resolved further, that in anticipation of the sanction of Government the Engineer be authorised to at once procure sleepers, rails and fish-bolts and proceed with the extension of the narrow-gauge line from its present termination immediately north of Clive's Battery.

* * * * * *

(True Extract.)

(Signed) C. PINSENT,
Secretary, Harbour Trust Board.

Approved as modified and transferred to the Public Works Department for the early issue of the necessary orders.

(By Order.)

(Signed) A. G. CARDEW,
Under-Secretary.

2nd January 1890.

Note by the Acting Chief Engineer, P.W.D., General Buildings and Roads Branch.

The proposals made by the Harbour Trust Board for reforming the sea wall appear to be the best under the circumstances, and immediate measures should, I think, be adopted for carrying them out. A rubble wall of the sections and slopes

provided in the estimate will necessarily flatten out unless the outer toe of the sea slope is in some measure prevented from moving. Where feasible it would be advisable to connect the old with the new work by means of short piles not less than 8 inches in diameter and, say, 6 feet in length, placed 3 feet apart and embedded in the old work to the depth of 4 feet, the heads of these piles being tied together by a longitudinal waling piece.

2. To protect the accretion of sand which is expected to form in the bay to the north of the sea wall from being washed away in subsequent seasons I should like to see what the effect would be of monoliths built *in situ* of the Greenway form of floating breakwater. This breakwater is the patented invention of the late Mr. E. C. Greenway Thomas of the Madras Civil Service and monoliths of the above form built at certain intervals along the face of a shore under process of erodation have been advocated by the patentee for adoption as calculated to have the same effect in securing such quiet water behind them as he considered would result from the use of his floating breakwater.

CHEPÂK, 7th January 1890. (Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Chief Engineer, P.W.D., General
Buildings and Roads Branch.

ORDER—dated 9th January 1890, No. 54 W., Public Works.

The estimate, amounting to Rs. 43,773, as modified by the Harbour Trust Board, for restoring the revetment to the north of the Madras Harbour, is sanctioned.

2. The note by the Chief Engineer, Public Works Department, above recorded, will be communicated to the Harbour Trust Board for consideration.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chairman, Madras Harbour Trust Board,
with six enclosures.

„ Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 9th.

Recd. *Encl.*

G.O., 9th Jan. 1890, No. 54 W.

JANUARY.

Madras Harbour

Estimate for restoring the revetment to the north of the —, sanctioned, and note by the Chief Engineer, Public Works Department, on the work, communicated to the Harbour Trust Board.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 3rd December 1889, No. 4474 A.

With reference to Proceedings of Government, No. 7722, dated the 8th instant, I am desired to forward, for sanction and transfer to the Public Works Department for disposal, the estimates, plan, &c., below mentioned, which have been approved by the Commander-in-Chief. The plan and estimates have been countersigned :—

I.—Estimate, amounting to Rs. 3,950, for strengthening the five Royal Artillery stables at St. Thomas' Mount.

II.—Plan and estimate, the latter amounting to Rs. 2,920, for reconstructing the Royal Artillery stable at St. Thomas' Mount that collapsed during the cyclone of October 1888.

No. 8434, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

FORT ST. GEORGE,
6th December 1889.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Note by the Chief Engineer, P.W.D., General Buildings and Roads Branch.

The plan on which it is proposed to reconstruct the fallen block of stables at St. Thomas' Mount is approved with the following modifications :—

(*a*) The rail standards should be bedded in concrete to give them a firm footing in the ground.

(*b*) The upper ends of the rails should be counter-sunk to half the depth of the bressummer.

2. As regards the proposals for strengthening the existing five blocks of stabling, it will be sufficient to build the cross and centre walls estimated for without replacing the brick pillars by iron rails.

CHEPÂK,
8th January 1890.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Chief Engineer, P.W.D., General.
Buildings and Roads Branch.

ORDER—dated 10th January 1890, No. 61 W., Public Works.

The undermentioned estimates are sanctioned :—

Imperial Military.
Original Works.

		RS.	
(1)	Strengthening the five Royal Artillery stables at St. Thomas' Mount	3,950	No. 26 W. of 1889-90.
(2)	Reconstructing the fallen stables attached to East barracks at the Troop lines, St. Thomas' Mount	2,920	No. 27 W. of 1889-90.

2. Attention is drawn to the note by the Chief Engineer above recorded.

3. The Superintending Engineer, V Circle, will furnish the Examiner of Public Works Accounts direct with copies of the abstract estimates.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with six enclosures.
,, Examiner, Public Works Accounts.
,, Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 10th.

Recd. *Encl.*

G.O., 10th Jan. 1890, No. 61 W.

JANUARY.

Stables at St. Thomas' Mount

Estimates for strengthening certain — and for reconstructing the fallen ones, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Colonel H. SMALLEY, R.E., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 25th November 1889, No. 2532.

[G.O., No. 2275 W., Public Works, dated 17th August 1889.]

I have the honor to forward revised estimates for alterations and improvements to the Mahal at Gurramkonda, Cuddapah district, amounting to Rs. 2,768 and 509 respectively.

2. The first estimate provides for restoring the fallen verandah on the road side in exactly the same style as the original and for putting in extra supports to the unfallen verandah on the same side, also for levelling the ground and for renewing the ornamental parapet at top.

These items amount to Rs. 1,816, and this is, strictly speaking, all that can be called *restoration*. The rest of the estimate, Rs. 952, is for general repairs to the building. The second estimate is for building a cook-room and stables for the accommodation of travellers; because, if these ideas are carried out, they will not be allowed the basement of the main building in future for cooking and for stabling.

3. If the estimates are approved, it is considered that the building must be formally handed over to the Public Works Department. It is now in charge of the Local Fund Board and used as a travellers' rest-house. Travellers would be allowed to use the upper storey in future under the same conditions as at present, but the whole of the ground-floor would be occupied by the Public Works Department as a famine tools store, for which it is well adapted. The want of accommodation for famine tools in Cuddapah district is much felt; and by putting this Mahal in order, a cheap way of meeting this want is arrived at, whilst at the same time an interesting piece of native architecture is prevented from going to ruin.

ORDER—dated 11th January 1890, No. 68 W., Public Works.

The estimates, aggregating Rs. 3,277, for additions and improvements to the Mahal at Gurramkonda in the Cuddapah division are sanctioned.

2. The Local Fund Board, Cuddapah, will be requested in the Local and Municipal Department to place the Mahal at the disposal of the Public Works Department. On completion of the improvements, the upper storey of the building will continue to be used as a public bungalow under the management of the District Board, and the ground-floor will be utilised by the Public Works Department for the storage of famine tools.

3. The necessary allotment for the work will be made on receipt of information from the Superintending Engineer as to the amount which can be spent during the current official year.

4. The Superintending Engineer will furnish the Examiner of Public Works Accounts direct with a copy of the general abstract estimate for the amount sanctioned.

5. The sanction accorded in para. 1 of these Proceedings has been registered as Provincial No. 102 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKD-BRCCMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, III Circle, with nine enclosures.
" Examiner, Public Works Accounts.
" Public Department.
" Local and Municipal Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 11th.

Recd. *Encl.*

G.O., 11th Jan. 1890, No. 68 W.

JANUARY.

Mahal at Gurramkonda, Cuddapah Division

Estimate for additions and improvements to the —, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

From Major D. McNEIL CAMPBELL, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 7th January 1890, No. 5 E.W.

Adverting to para. 5 of G.O., No. 3645 W., of 21st December 1889, I have the honor to report that the proposed Nílgiri sub-division may conveniently be attached to the Coimbatore division.

ORDER—dated 11th January 1890, No. 71 W., Public Works.

On the transfer of military works in the Nílgiri division to the Military Works Department the Wynaad sub-division will be attached to the West Coast division and all other civil works in the former division will be formed into a sub-division of the Coimbatore division.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
,, Chief Engineer for Irrigation.
,, Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 11th.

Recd. *Encl.*

G.O., 11th Jan. 1890, No. 71 W.

JANUARY.

Nilgiri Division

All civil works in the — to be formed into a sub-division of the Coimbatore division on the transfer of the military works to the Military Works Department, and the Wynaad sub-division to be attached to the West Coast division.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From H. B. GRIGG, Esq., M.A., Director of Public Instruction, to the Chief Secretary to Government, dated Madras, 19th September 1889, No. 8103.

I have the honor to submit, countersigned, the enclosed estimate for Rs. 598 for carrying out certain alterations to the Chemical Laboratory attached to the College of Engineering. The necessity for the alterations is pointed out by the Principal in his letter No. 416 C., dated 23rd August 1889, copy enclosed. I beg accordingly to request that you will be good enough to obtain the sanction of Government for the work being undertaken.

2. I would add here that the Consulting Architect has informed the Principal that the charge can be met from the Public Works funds under the head "Minor Works."

Letter from the Director of Public Instruction, dated 9th December 1889, No. 10686.

No. 151 R., Educational.

Approved and transferred to the Public Works Department.

FORT ST. GEORGE,
20th December 1889.

(Signed) A. G. CARDEW,
Under-Secretary.

ORDER—dated 11th January 1890, No. 72 W., Public Works.

The estimate, amounting to Rs. 598, for alterations to the Chemical Laboratory attached to the College of Engineering, Madras, is sanctioned against the Minor Works grant to the Consulting Architect's division.

2. This sanction has been registered as Provincial No. 100 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government.
,, Examiner, Public Works Accounts, with abstract estimate for note and return to the Consulting Architect.
,, Educational Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 11th.

Recd. *Encl.*

G.O., 11th Jan. 1890, No. 72 W.

JANUARY.

College of Engineering, Madras

Estimate for alterations to the Chemical Laboratory attached to the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From J. D. GRANT, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 11th December 1889, No. 2241 G.D.

I have the honor to forward an estimate of Rs. 13,900 for the construction of an entirely new office for the Western Division, Godávari, at Chettipett.

2. The submission of this estimate has been delayed pending the result of negotiations with the owner of a large house at Narsápur, in which it was thought it might be possible to accommodate the office; the owner, who was believed to require only Rs. 10,000 for the building, however died, and his heirs demand Rs. 20,000 which is out of the question.

3. The new building at Chettipett will be placed on the site marked on the plan, well clear of the weir channel and canal, which are believed to have contributed to the destruction of the present office; the site was selected by Major Campbell, R.E., who also decided the depth of foundations, &c.

4. In a few cases the rates are higher than schedule rates, but the Division officer explains that they cannot be reduced; there is besides some uncertainty as to the quantity of the old materials which may turn out fit for use.

Note by the Chief Engineer, P.W.D., General Buildings and Roads Branch.

Upon the explanation furnished by the Superintending Engineer the increased rates for concrete and random rubble masonry may be allowed, but it is open to question whether it would not be better to roof the whole of the verandah with tiles instead of partly with Bengal terrace.

2. The number of doors and windows, viz., 21 * of the former and 24 † of the latter, seems excessive, especially when provision is made for 33 fan lights and 20 ventilators, and the Superintending Engineer will consider whether it would not be better to make a redistribution of the doors and windows bearing in mind—

* One-third panel, ⅔ glazed.
† One batten, 23 glazed.

(a) that glazed doors in the outside walls of a building render it necessary to take special precautions for guarding it at night, especially in the record-rooms;

(b) that with a large number of door and window openings it is difficult to place the roof trusses satisfactorily, and provided the requirements for light are properly met every additional window is an unnecessary expense.

3. All new timbering for the roofing should be cut to the sizes given in the standard specifications.

4. It is observed that some of the material to be used in the construction of the new office will be taken from the old building, and probably from this cause alone a revised estimate may be necessary, but in any case the Superintending Engineer should not delay his report to Government upon the suggestions made in this note.

CHEPÂK, (Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
8th January 1890. Ag. Chief Engineer, P.W.D., General
Buildings and Roads Branch.

ORDER—dated 11th January 1890, No. 73 W., Public Works.

The estimate, amounting to Rs. 13,900, for constructing a new building for the Divisional office at Chettipett in the Godávari Western division is sanctioned.

2. A sum of Rs. 8,000 was provided for the work in G.Os., No. 2995 W., dated 22nd October 1889, and No. 3277 W., dated 18th November 1889.

3. Attention is drawn to the note by the Chief Engineer above recorded.

4. This sanction has been registered as Provincial No. 101 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle, with six enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Chief Engineer for Irrigation.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 11th.

Recd. *Encl.*

G.O., 11th Jan. 1890, No. 73 W.

JANUARY.

Divisional Office at Chettipett, Godavari Western Division

Estimate for a new building for the —, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Proceedings of the Government of India, Public Works Department (Civil Works—Miscellaneous), dated Calcutta, 26th December 1889, No. 508 M.

The undermentioned papers are forwarded to the Local Governments and Administrations noted in the margin for information.

The Governments of Madras, Bengal, North-Western Provinces and Oudh and the Punjab.
The Chief Commissioners of the Central Provinces, Burma and Assam.
The Directors-General of Railways and Telegraphs.

(By Order.)

(Signed) C. VINCENT,
Under-Secy. to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

Documents referred to.

Copy of Department of Finance and Commerce Resolution No. 5732, dated the 8th November 1889, and enclosures.

Review by Her Majesty's Secretary of State for India of the Annual Returns of Expenditure on Stores in India during the year 1886-87.

Resolution by the Government of India, Department of Finance and Commerce, dated 8th November 1889, No 5732.

Read—despatch from the Secretary of State, No. 219 (Financial), dated the 3rd October 1889, reviewing the returns of stores purchased in India during 1886-87.

Order—Ordered, that extract from the despatch and copy of its enclosure be forwarded to the Governments of Madras, Bombay, Bengal and the Punjab; to the Superintendent, Government Printing, India, and to the Public Works Department.

From the Secretary of State for India (Viscount CROSS), to the Government of India, dated 3rd October 1889, No. 219 (Financial).

I have considered in Council your letter, dated the 19th of March 1889, No. 82 (Financial), forwarding the returns of stores purchased in India during the year 1886-87, and observe that the proportion of stores manufactured in India shows a slight increase, and that, although the purchases there of European stores show a slight increase in amount, they have decreased from 11 to 9¼ per cent. of the whole, if stores for the Military Works Branch be omitted from the calculation.

2. I transmit a report by the Director-General of Stores at this office on the purchases made by the several provinces and departments. * * * * *

3. The relative values of the stores procured from the various sources available could be more accurately checked if samples were furnished to this office of all important local purchases, so far as regards articles of which samples can be readily taken and sent home at a trifling expense, and I request that this question may be considered, and that I may be furnished with copies of any orders which you may issue on the subject.

REPORT by A. A. JOPP, Esq., Director-General of Stores, India Office, dated 21st August 1889.

With reference to the annexed India Finance and Commerce letter No. 82 of 19th March 1889, forwarding returns showing the expenditure on stores for the year 1886-87, the tabulated statement for three years given in para. 3 shows a steady increase in the "stores indented for through the India Office," a slight increase in the expenditure on European stores purchased in India in 1886-87 as compared with 1885-86, and a considerable and steady increase in the expenditure on stores manufactured in India.

The apparent increase in the expenditure on European stores purchased locally is explained as due to the fact that the returns for 1885-86 do not include the expenditure of the Military Works Department.

A clearer basis of comparison will therefore be given by deducting from the returns for 1886-87 the expenditure of the Military Works Department. The figures will then be as follows:—

—	Class I.	Class II.	Class III.	Total.
	RS.	RS.	RS.	RS.
For 1885-86	2,86,66,113 74 per cent.	43,22,192 11 per cent.	58,29,380 15 per cent.	3,88,17,685
For 1886-87	3,28,69,143 75¼ per cent.	40,34,646 9¼ per cent.	67,47,270 15½ per cent.	4,36,51,059

It will thus be seen that there was a reduction of nearly 2 per cent. in the expenditure on European stores purchased locally in 1886-87, as compared with 1885-86.

But whilst the figures are fairly satisfactory on the whole in regard to this class of expenditure, yet the abstract at page 5 shows a continued increase in the local expenditure on some kinds of European stores, as for example:—

	1885-86.	1886-87.
	RS.	RS.
Building and Engineering materials	1,45,451	6,61,826
Cordage and rope	26,238	35,539
Hardware and cutlery	78,594	1,13,193
India-rubber goods	*Nil.*	24,054
Copper	16,102	29,235
Tin	11,656	16,012
Undistinguished metals	90,765	1,18,149
Paints and colours	66,065	90,851
Paper and pasteboard	35,675	79,803
Stationery	7,570	14,356

The strong objections to purchasing such supplies in India have already been pointed out in my previous memoranda, to which I have little to add. It has been found by this department most difficult to obtain India-rubber goods of good quality from contractors, and rejections of supplies delivered are very frequent in this class of stores. And there is hardly any class of goods in the market more frequently adulterated than some kinds of paint.

On the other hand, it is satisfactory to note that there is a very considerable decrease in the local expenditure on some kinds of European stores, to the local purchase of which very strong objections have been made, as for example:—

	1885-86.	1886-87.
	RS.	RS.
Machinery	2,08,559	1,00,085
Iron	9,05,892	8,33,240
Steel	72,278	31,084
Tools and plant	5,09,837	2,77,909
Woollen goods	2,35,315	1,49,554

It must also be remarked that in some cases extensive local purchases, at an acknowledged loss, were made on account of the urgency of the requirements. That was especially the case with the frontier railways. And I may add that indents are now received from departments, such as the Military Works Department and Simla Imperial Circle, which formerly purchased all their European stores locally. On the whole, therefore, it appears that the rules on the subject of local purchase are gradually becoming more strictly observed.

The following remarks are on special points noticed in the returns:—

No. 3. *Punjab.*—The stores (swords, watches, &c., for presents) purchased by the Civil Secretariat could have been obtained through this office at much lower rates than by buying them from merchants. Similar articles are purchased by this department for the Bushire Tosha Khana, and if a description and price be quoted, those for the Punjab Civil Secretariat can be supplied in the same manner.

No. 3. Bombay.—A considerable quantity of European paper was purchased, and, in the only instance in which a comparison is made, a loss of Rs. 4,068 is shown on 97 reams of paper. The cost of this paper is shown to have been nearly doubled by local purchase.

It is satisfactory to note that the purchase of country-made paper by this department was attended with a considerable saving. In the following case, however, this saving is put at too high a figure, 11,741 reams of paper, 14 lbs. foolscap, saving Rs. 23,747.

The estimated English rate is stated at Rs. 9-13-0, but paper, cream wove. foolscap, writing, 14 lbs. was purchased in 1886 for 4*s*. a ream. If 25 per cent. be added for packing, freight, and landing charges, the price delivered at Bombay is 5*s*. per ream, or about Rs. 3-4-0, which is the rate at which the Indian paper was bought.

No. 8. Madras.—The purchase of country-made paper by this department has effected a considerable saving.

No. 9. Bengal.—The purchase of country-made paper by this department is estimated to have resulted in a considerable loss. The loss is, however, stated in the return to be apparent only, and due to the method in which the incidental charges on stores obtained through the India Office are calculated. It seems desirable that this matter should be inquired into, and the method revised if necessary. Assuming that the incidental charges are calculated according to the same method in all three Presidencies, it seems difficult to understand why the purchase of country-made paper should be attended with a loss in Calcutta, and a gain in Madras and Bombay.

No. 14. Government Central Press.—The purchase of type, &c., made in India has been attended with a considerable saving. It is suggested that the practice might be extended with advantage.

Nos. 22 to 34.—The returns of military and marine expenditure on stores have already been dealt with in Secretary of State's Military Despatch to India No. 14 of 17th January 1889. I have nothing to add to my memorandum on the subject to the Military Secretary, dated 10th December 1888.

No. 35. Telegraph Department.—18,261 yards of gutta-percha cable of Indian manufacture were purchased by this department. No comparison of cost is given, and it is therefore not apparent whether the transaction was a favorable one to Government or not. It is thought that this is a branch of manufacture which can hardly be in a forward state in India, and that such supplies would be purchased to most advantage through this office. It is noted that the purchase of Indian-made tubes for telegraph posts was attended with a considerable loss.

No. 37. Public Works Department, Madras.—This department purchased 478½ cwt. of corrugated iron at a cost exceeding by about 35 per cent. the estimated cost if obtained through this office. The supply is not stated to have been urgently required.

No. 41. Burmah Public Works Department.—This department obtained no stores through this office. Its local purchases of European stores amounted to about Rs. 40,000, and included such articles as crab winches, corrugated iron, bolts and nuts, rolled iron beams, cranes, road-rollers, and lathes, all which are obtained to the best advantage through this office.

No. 44. Punjab Public Works, General Branch.—With reference to the correspondence attached to this return, showing how the estimated cost of galvanized corrugated sheets, if obtained through this office. is calculated, it may be pointed out that the price paid in 1886 for such materials was 10½*l*. per ton, not 15*l*. as estimated in the return. The local purchase, therefore, resulted in a slight loss instead of a saving.

No. 45. Public Works Department, North-West Provinces and Oudh.—In the returns of this department the total cost of the local purchase is sometimes given, but the quantity purchased, or the rate, is omitted. It is therefore impossible to check the prices, and future returns should give the information now omitted. Where a comparison is made loss is shown by local purchases.

No. 46. Assam Public Works Department.—This department generally shows a loss on its local purchases, but a saving is estimated in the case of corrugated galvanized iron sheets. The estimated English price is, however, put too high (13*l*. 10*s*. per ton), such material having been purchased in 1886 at 10*l*. 10*s*. per ton.

No. 48. Public Works Department, Central Provinces.—This department purchased a 10-ton steam road-roller at an estimated loss of Rs. 1,617, and a complete bridge at an estimated loss of Rs. 850. The supplies are not said to have been urgently required, and should have been indented for.

No. 50. Public Works Department, Bengal.—This department gives the following interesting figures:—

European stores purchased locally—	RS.
In 1884-85	3,67,809
„ 1885-86	2,11,359
„ 1886-87	94,735

In every case a comparison of cost is made, and every endeavour is said to have been made to ensure accuracy. The result is that the locally purchased stores would, it is estimated, have cost Rs. 88,549 if indented for.

No. 52. *Simla Imperial Circle.*—This department made considerable local purchases of ironwork and metals at a cost estimated to be less than would have been paid if the stores had been indented for. The incidental charges added to the estimated rates for the stores are very high, and, in the absence of information as to what items are included, the figures cannot be checked.

No. 62. *Ferozepore Bridge Works.*—Well curbs, excavators, iron, steel, and Portland cement. The local purchase of 4,251 casks of the last article is estimated to have been attended with a loss of Rs. 29,494. It is not stated that the supplies were urgently required, and similar supplies should in future be indented for.

Local purchase of European stores was resorted to by the State Railways to a considerable extent, but mostly under circumstances of urgency, as explained in the returns. In the following instances, however, no such explanation is given.

No. 71. *Sind-Sagar State Railway.*—Engineering plant, cement, tools and stores.

No. 72. *Bolan State Railway.*—Shaping machine, pumps, and fittings for brake gear, pipes, cement, &c.

ORDER—dated 11th January 1890, No. 74 W., Public Works.

Communicated to officers of the department in continuation of G.O., No. 1280 W., dated 2nd May 1888.

2. The purchase in this country of corrugated iron will not be permitted except in cases of proved emergency.

3. The Superintending Engineer, V Circle, will submit proposals for keeping a stock of corrugated iron, for roofing purposes, in the Public Works Stores.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer, Periyár Project.
" Superintending Engineers.
" the Consulting Architect to Government.
" the Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 11th.

Recd. *Encl.*

G.O., 11th Jan. 1890, No. 74 W.

JANUARY.

Corrugated Iron

Local purchase of — prohibited except in cases of proved emergency, and the Superintending Engineer, V Circle, directed to submit proposals for keeping a stock for roofing purposes in the Public Works Stores.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

No. 774 T.C.

REPORT by the Superintending Engineer on the estimate of Rs. 2,660 for constructing a Sub-Registrar's office at Ariyalúr.

[*Reference*—G.O., No. 1753 W., dated 3rd July 1889.]

The estimate was called for in the Government Order quoted above, and it is prepared on the standard design for the Sub-Registrar's office (with the tiled roof) circulated with G.O., No. 2230 W., dated 21st July 1888.

2. The building will be erected on the site selected within the compound of the Deputy Collector's cutcherry. The site has been approved both by the District Registrar and the Collector of Trichinopoly.

3. The rates are fair, and the estimate is submitted for the sanction of Government through the Inspector-General of Registration (*vide* para. 989 of the Public Works Code.)

TRICHINOPOLY,
19th November 1889.

(Signed) W. HUGHES,
Offg. Supg. Engr., VI Circle.

T. No. 4054.

Submitted for the sanction of Government.

PORTO NOVO,
28th November 1889.

(Signed) S. SRINIVASA RAGHAVAIYANGAR,
Inspector-General of Registration.

No. 1392, Judicial.

Approved and transferred to the Public Works Department.

(By Order.)

FORT ST. GEORGE,
19th December 1889.

(Signed) A. G. CARDEW,
Under-Secretary.

ORDER—dated 14th January 1890, No. 87 W., Public Works.

The estimate, amounting to Rs. 2,660, for constructing a Sub-Registrar's office at Ariyalúr in the Trichinopoly district, is sanctioned.

2. This sanction has been registered as Provincial No. 103 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with two enclosures.
,, Examiner, Public Works Accounts, with the duplicate abstract estimate.
,, Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 14th.

Recd. *Encl.*

G.O., 14th Jan. 1890, No. 87 W.

JANUARY.

Sub-Registrar's Office at Ariyalur, Trichinopoly District

Estimate for a —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, Madras Army, to the Secretary to Government, Military Department, dated Ootacamund, 3rd December 1889, No. 3524-B.

I am desired to forward, for sanction and transfer to the Public Works Department for disposal, the estimates, plans, &c., below mentioned, which have been approved by the Commander-in-Chief. The plans and estimates have been countersigned :—

I. Estimate, amounting to Rs. 4,468, for providing quarters for 26 men of the Army Hospital Native Corps at St. Thomas' Mount, with report, site-plan and plan of building.

II. Estimate, amounting to Rs. 3,670, for providing quarters for 20 men of the Army Hospital Native Corps at Poonamallee, with report and site-plan.

III. Estimate, amounting to Rs. 1,220, for providing quarters for 6 men of the Army Hospital Native Corps at Pallávaram, with site-plan.

One general specification for constructing the above quarters.

IV. Estimate, amounting to Rs. 4,800, for providing quarters for 24 men of the Army Hospital Native Corps at Madras.

No details of this estimate are given, as the site for the quarters has not yet been fixed.

No. 8413, Military.

Approved and transferred to the Public Works Department for disposal.

FORT ST. GEORGE, 6th December 1889. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl., Secretary to Government.

Note by the Chief Engineer, General, Buildings and Roads Branch.

The wood-work of the doors and windows should be painted in preference to being tarred.

2. The wood-work of the roof should be tarred and it would be advisable to plaster the walls with chunam.

11th January 1890. (Signed) R. R. E. DRAKE-BROCKMAN, Lt-Col., R.E., Ag. Chief Engineer, P.W.D.

ORDER—dated 14th January 1890, No. 88 W., Public Works.

The undermentioned estimates are sanctioned and classified as Imperial Military, Original Works :—

(1) Providing quarters for 26 men of the Army Hospital Native Corps at St. Thomas' Mount, Rs. 4,468—No. 28 W. of 1889-90.

(2) Providing quarters for 20 men of the Army Hospital Native Corps at Poonamallee, Rs 3,670—No. 29 W. of 1889-90.

(3) Providing quarters for 24 men of the Army Hospital Native Corps at Madras, Rs. 4,800—No. 30 W. of 1889-90.

2. The estimate, amounting to Rs. 1,220, for providing quarters for six men of the Army Hospital Native Corps at Pallávaram is returned to the Superintending Engineer, V Circle, for sanction.

3. Attention is drawn to the note by the Chief Engineer above recorded.

4. The Superintending Engineer will furnish the Examiner of Public Works Accounts direct with copies of the abstract estimates for the works sanctioned.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with 15 enclosures.
„ Examiner, Public Works Accounts.
„ Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 14th.

Recd. *Encl.*

G.O., 14th Jan. 1890, No. 88 W.

JANUARY.

Quarters

Estimates for — for men of the Army Hospital Native Corps at certain stations, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Proceedings of the Government of India, Public Works Department (Account—Civil Works), dated Calcutta, 14th December 1889, No. 437 A.—C.W.

Copy of the following forwarded to the Local Governments, Administrations and Officers noted in the margin for information and guidance, with the remark that allotments sanctioned by either of these Directors-General during the course of a year may be taken as additions to the grant for Imperial Civil Works to the Province for that year.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners, Central Provinces, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana and Biluchistan.

The allotments for Postal and Telegraph Minor Works provisionally sanctioned in Public Works Department No. 374 A.—C.W. of the 31st October last should be excluded from the preliminary issue of the budget estimate for 1890-91.

(Signed) R. C. B. PEMBERTON, Colonel, R.E.,
Secretary to the Govt. of India

From the Government of India, Public Works Department, to the Director-General of the Post Office of India, dated 14th December 1889, No. 435 A.—C.W.

In reply to your letter No. 6851, dated 20th ultimo, I am directed to communicate sanction to the grant for Postal Minor Works for 1890-91 being held in reserve at your disposal.

2. I am to request that, in supersession of the procedure followed during the present year, you will advise Local Governments and Administrations direct of the allotments sanctioned by you from time to time. In advising these allotments you should add 24½ per cent. on account of establishment and tools and plant to the amount required for works, except in the case of allotments sanctioned for Central India, Rajputana and Coorg, where the establishment charges are otherwise provided for. They will not come out of your grant.

3. A monthly statement of sanctions accorded by you should be submitted for the information of the Government of India.

4. The total amount placed at your disposal for expenditure on Postal Minor Works during 1890-91 is Rs. 48,800,* including establishment and tools and plant.

	RS.
* Works	40,200
Establishment and tools and plant	(a) 8,600
	48,800

(a) Excludes 24½ per cent. on allotments of Rs. 3,000 and Rs. 2,000 originally made for Central India and Rajputana.

No. 436 A.—C.W.

Copy forwarded to the Director-General of Telegraphs for information and guidance, with the remark that the grant of Rs. 28,600* (including establishment and tools and plant) for Telegraph Minor Works for 1890-91 has been held in reserve. From this, allotments should be made during the

	RS.
* Works	23,000
Establishment and tools and plant at 24½ per cent..	5,600
	28,600

course of the ensuing official year in the manner described in paras. 2 and 3 of the foregoing letter.

(Signed) R. C. B. PEMBERTON, Colonel, R.E.,
Secretary to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

ORDER—dated 14th January 1890, No. 89 W., Public Works.

Communicated to officers concerned for information and guidance.

2. With reference to para. 2 of its letter, the Government of India will be informed that the preliminary issue of the Imperial Civil Works budget estimate for 1890-91 having been despatched before the receipt of the letter above recorded, the grant for Telegraph Minor Works has not been excluded from the budget and that the necessary action will be taken in the final issue.

(Here enter No. 90 W., dated 14th January 1890.)

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.

ENDORSEMENT—dated 14th January 1890, No. 90 W., Public Works.

Forwarded to the Government of India, Public Works Department.

(By Order.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 14th

Recd *Encl.*

G.O., 14th Jan. 1890, Nos. 89 W., 90 W.

JANUARY.

Postal and Telegraph Minor Works

Forwarding copy of Proceedings on docket from the Government of India regarding the grants for — for 1890-91.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From T. M. HORSFALL, Esq., Registrar of the High Court of Judicature, Appellate Side, to the Chief Secretary to Government, dated Madras, 29th November 1889, No. 2902.

I am directed to forward, for the sanction of Government, the accompanying plans and estimates, amounting to Rs. 18,440, for constructing the District Munsif's Court-house at Tanuku in the Godávari district.

Approved and transferred to the Public Works Department.

(By Order.)

FORT ST. GEORGE,
13th December 1889.

(Signed) A. G. CARDEW,
Under-Secretary.

ORDER—dated 14th January 1890, No. 91 W., Public Works.

The estimate, amounting to Rs. 18,440, for constructing a District Munsif's Court-house at Tanuku in the Godávari district, is sanctioned.

2. This sanction has been registered as Provincial No. 104 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle, with seven enclosures.
„ Examiner, Public Works Accounts,
with duplicate general abstract estimate.
„ Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 14th.

Recd. *Encl.*

G.O., 14th Jan. 1890, No. 91 W.

JANUARY.

District Munsif's Court-house at Tanuku, Godavari District

Estimate for a —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

From the Examiner, Public Works Accounts, dated 7th January 1890.

ORDER—dated 14th January 1890, No. 92 W., Public Works.

The Examiner submits the progress report showing the receipt and disposal of divisional accounts for the month of November 1889, from which it is observed that the undermentioned five divisions were in arrears :—

Ganjam, 4 days late.
Rushikulya, 4 days late.
Bellary, 1 day late.
Presidency Workshops, 3 days late.
Negapatam, 1 day late.

2. The two first named divisions were in arrears in the previous months also, and explanation of delay has been received only from the Presidency Workshops division.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 14th.

Recd. *Encl.*

G.O., 14th Jan. 1890, No. 92 W.

JANUARY.

Divisional Accounts

Orders on progress report submitted by the Examiner, Public Works Accounts, showing the receipt and disposal of — for November 1889.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

G.O., dated 11th December 1889, No. 8016, Revenue.

Read—Proceedings of the Public Works Department, dated 9th December 1889, No. 3506 W., desiring that the Board of Revenue may be requested to furnish particulars touching the necessity and urgency of certain salt works.

Order—dated 11th December 1889, No. 8016, Revenue.

Forwarded to the Board of Revenue.

2. It is observed that the correspondence printed with G.O., dated 20th June 1889, No. 516, explains the necessity and the urgency of the work.

(True Extract.)

(Signed) J. GROSE,
Ag. Secretary to Government.

Office note from the Secretary to Government, Public Works Department, to the Secretary to Government, Revenue Department, dated Madras, 19th December 1889, No. 5924 C.

What the Government of India wanted to be explained in its letter No. 405 A.C.W., dated 26th November 1889, was the necessity and urgency for the construction of a masonry dam across the Valavanar. The papers printed with G.O., No. 516, Revenue, dated 20th June 1889, explain the necessity for the work, but do not show the special urgency which necessitates the provision of funds for it in 1890-91.

2. As it is not likely that the Government of India will provide any grant for the work in the absence of sufficient explanation as to its urgency, it is requested that further particulars may be furnished in view to the Government of India being addressed with regard to the required allotment.

Read—the following Proceedings of the Board of Revenue (Separate Revenue), dated 19th December 1889, Mis. No. 4334 :—

Read— endorsement of Government, Revenue Department, dated 11th December 1889, No. 8016.

Resolution—dated 19th December 1889, Mis. No. 4334.

It will be observed from para. 3 of the Board's Proceedings, dated 11th February 1889, No. 65, printed with G.O., dated 20th June 1889, No. 516, Revenue, that the Board stated that it was not convinced of the necessity of a permanent structure of

the kind suggested and therefore referred the question for the orders of Government. The proposal was, however, approved by Government on the representations of the Collector of Tanjore and the local officers of the Public Works Department (*vide* the correspondence submitted with Board's Proceedings, dated 27th May 1889, Mis. No. 1896, printed with the Government Order quoted above). The Board has nothing to add to the remarks already made in its Proceedings first quoted above.

(True Extract.)

(Signed) HERBERT BRADLEY,
Secretary.

No. 1, Revenue.

Transferred to the Public Works Department with the remark that the construction of the dam in question may be put off till 1891-92.

FORT ST. GEORGE,
2nd January 1890.

(Signed) W. S. MEYER,
for Secretary to Government.

ORDER—dated 14th January 1890, No. 94 W., Public Works.

Ordered that the foregoing correspondence be forwarded to the Government of India with reference to para. 2 of its letter No. 405 A.C.W., dated 26th November 1889, and in continuation of endorsement from this Government No. 3503 W., dated 9th December 1889.

(Here enter No. 95 W., dated 14th January 1890.)

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Revenue Department.

ENDORSEMENT—dated 14th January 1890, No. 95 W., Public Works.

Forwarded to the Government of India, Public Works Department.

(By order.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 14th.

Recd. *Encl.*

G.O., 14th Jan. 1890, Nos. 94, 95 W.

JANUARY.

Masonry dam across the Valavanar, Tanjore district

Forwarding correspondence explaining the necessity and urgency for the construction of a —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Military Works.
Account.

READ—the following papers :—

From Colonel A. WALKER, R.A., Officiating Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 4th December 1889, No. 5710 E.

With reference to your telegram of 29th ultimo, and in continuation of my telegram, 129-E of 3rd instant, I have the honor to explain that it is now understood that the sum of Rs. 45,000, which you state can be expended on the new workshops, Gun Carriage Factory, in the current year, includes the original grant of Rs. 19,483. As Rs. 40,000 has since been allotted to this work, a balance is now available of Rs. 14,483 which you desire to transfer to the work of re-roofing Ordnance Lines, Madras.

2. I regret that I am unable to concur in your proposal for the reasons stated in paras. 3, 4, and 5 below. I have therefore moved the Government of India to retransfer this sum to the grant for the extension of the Foundry and Shell Factory at Cossipore, from which a sum of Rs. 20,000 was, with great difficulty, transferred to Madras at the urgent request of the Inspector-General of Ordnance, upon the distinct understanding that it would be expended on an equally urgent and important work, namely, the building of the new workshops at the Gun Carriage Factory, and not that it would be diverted to other purposes whilst funds are urgently required at Cossipore.

3. The work of re-roofing Ordnance Lines, Madras, cannot, I consider, be classed as an Ordnance work. It has never received my approval and has previously been treated as a repair. It was originally included in the statement of buildings submitted by the Inspector-General of Ordnance, Madras, in 1888 with an explanation of the dilapidated and dangerous state of the roof of the Ordnance quarters, and nothing had previously been heard of the matter. In forwarding the statement to the Government of India it was pointed out that the work in question, and certain other works consisting of renewals and repairs, should never have been entered in the statement at all in view of the orders conveyed in Government of India, Military Department, letter No. 2516, Military Works, of 16th December 1887, which ruled that the grant allotted for Ordnance works was for original works and alterations only and not for renewals and repairs. At the same time the attention of the Government of India was drawn to the dangerous condition in which some of the buildings were reported to be and the large sums required to place them in proper repair.

4. Nothing further was heard on the subject till you informed me in your 1514 W., Public Works, of 7th June 1889, that the Government of India had been asked for a special grant for this work, and shortly afterwards your 2059 W., Public Works, of 31st July 1889, was received stating that the Government of India had no objection to funds being reallotted for this work from the grant for Ordnance works if the Director-General of Ordnance agreed. In reply to this I informed you, in my 3433 E. of 27th August 1889, that I was unable to agree to any reallotment of funds. Later on the Superintending Engineer, V Circle, in his 336 C. of 26th September 1889, said application was being made for the transfer of Rs. 8,600 to the work in question from the grant for new workshops, Gun Carriage Factory. In reply he was informed that no reallotment was possible, and a copy of my letter to him (4693 E.) was sent you with my 4694 E. of 18th October 1889.

5. The grant placed at my disposal for Ordnance works is only a small one and is quite inadequate to meet all the urgent demands made upon it for new works of great importance and for alterations to existing buildings. It is therefore manifestly impossible for me to provide out of it funds for renewals and repairs which it is not intended to cover, and I request therefore that you will take steps to obtain funds from other sources for the completion of the re-roofing of the Ordnance Lines at Madras.

6. The retransfer this year of the Rs. 14,483 to the extension of the Foundry and Shell Factory, Cossipore, will enable funds to be found next year to meet the balance of Rs. 39,830 still required for the new workshops, Gun Carriage Factory, and I am accordingly making the necessary arrangements for the allotment of the necessary funds.

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 20th December 1889, No. 6262.

With reference to para. 2, G.O., No. 3486 W., dated 7th December 1889, I have the honor to report that the original cost of the 36 quarters when built 25 years ago was Rs. 1,03,056, and as the renewal of the roofs is estimated to cost Rs. 51,598, this work is necessarily classed as "Original" under para. 909, Public Works Code.

2. In regard to para. 3, concluding sentence in Government of India letter No. 1399 M.W., dated 18th July 1889—G.O., No. 2059 W., dated 31st July 1889, the original roofs were made of palmyra couples, teak reepers and flat and pan tiles of native pattern; when this sort of roof leaks and couples are unsound, it is necessary and usual in actual practice to strip the whole roof and take out and renew the defective couples as all the roofs have been for recent years defective—the necessity of renewing all the roofs has become more evident each year—nothing short of a renewal would be a remedy. Hence the necessity of renewing the whole and so of treating this as an original work and impossibility during last 10 years of doing ordinary repairs which would be effective.

3. The Military repair grant will not suffice to bear any part of the cost.

ORDER—dated 15th January 1890, No. 101 W., Public Works.

Ordered that the foregoing correspondence be forwarded to the Government of India, Military Department, for orders as to the source from which funds should be provided for re-roofing the Ordnance Lines at Madras.

2. As the sanction of the Government of India to the additional allotment of Rs. 25,517* required to bring up the total grant for the Gun Carriage Factory Workshops to Rs. 45,000 has not yet been received, the Director-General of Ordnance will be requested to take the necessary action.

* Rs. 31,769 inclusive of the percentage charges.

(Here enter No. 102 W., dated 15th January 1890.)

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Military Department.
" Director-General of Ordnance.

MILITARY WORKS.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 15th.

Recd. *Encl.*

G.O., 15th Jan. 1890, No. 101 W.

JANUARY.

Ordnance Lines at Madras

Correspondence relating to the provision of funds for re-roofing the —, ordered to be forwarded to the Government of India.

PUBLIC WORKS DEPARTMENT.

Military Works.
Account.

LETTER—from

LIEUT.-COL. R. R. E. DRAKE-BROCKMAN, R.E.,
Ag. Joint Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
MILITARY DEPARTMENT.

SIR,

In forwarding the accompanying copy of Proceedings of this Government, No. 101 W., dated 15th January 1890, I am directed to state that an estimate of Rs. 51,598 for renewing the roofs of the quarters in the Ordnance Lines at Madras was sanctioned by this Government, and the Government of India was requested to provide a special grant for the work—*vide* my letter No. 1515 W., dated 7th June 1889. In your letter No. 1399 M.W., dated 18th July 1889, the necessity for the early reconstruction of the roofs was admitted and it was suggested that efforts should be made to provide the necessary funds by reappropriation from the grants for Original works or Repairs. It was also stated that there would be no objection to the allotment of funds from the grant for Ordnance works if the Director-General of Ordnance agreed.

2. As it was then found impossible to provide the amount required by reappropriation from the grants for Original works or Repairs, the Director-General of Ordnance was requested to state whether he was prepared to make an allotment from the grant at his disposal. That officer having replied that no funds were available from the grant for Ordnance works, a sum of Rs. 12,350 was provided for the work from the ordinary grant by reappropriation from the allotment for the barracks at Malápuram—*vide* your telegram No. 1626 M.W., dated 15th August 1889.

3. The Executive Engineer having incurred liabilities to the extent of Rs. 17,000 on the assumption that the special grant of Rs. 20,000 applied for in my letter, No. 1515 W., dated 7th June 1889, would be sanctioned by the Government of India, the Director-General of Ordnance was requested to allot an additional grant of Rs. 7,650 or to appropriate Rs. 5,000 from the allotment for the Gun Carriage Factory Workshops.

4. A sum of Rs. 14,483 having subsequently become available from the proposed additional grant for the Gun Carriage Factory Workshops, the Director-General of Ordnance was again requested to approve the transfer of that amount to the renewal of the roofs of the Ordnance Lines. It will be observed, however, from the correspondence printed with the Proceedings of Government marginally noted, that that officer declines to admit that the renewal of the roofs is an Ordnance work, and desires that it should be carried out from the ordinary grant with reference to your

No. 3486 W., dated 7th December 1889.
" 101 W., " 15th January 1890.

letter, No. 2516 M.W., dated 16th December 1887, which rules that the grants placed at the disposal of the Director-General of Ordnance and Marine do not provide for repairs.

5. As the cost of the renewal of the roofs is more than one-fourth of the book value of the buildings, it has been classified as Original Work in accordance with para. 909 of the Madras Public Works Code and para. 2, chapter VII, volume I of the Government of India Code, and as the amount required for the work should be provided from the grant for Original works, the provision of funds apparently rests with the Director-General of Ordnance.

6. If the view expressed in the foregoing paragraph is approved by the Government of India, I am directed to request that the Director-General may be instructed to provide Rs. 7,650 or Rs. 9,525 inclusive of the usual percentage charges for expenditure in the current official year, but if not, to request that a special allotment may be sanctioned by the Government of India as it is impossible to provide the amount required by reappropriation from the limited grant for repairs. The question of providing funds in 1890-91 to meet the balance of the estimate, Rs. 31,598, also requires consideration.

7. With reference to the remarks in para. 3 of your letter, No. 1399 M.W., dated 18th July 1889, I am directed to invite attention to para. 2 of letter from the Superintending Engineer, V Circle, No. 6262, dated 21st December 1889, forwarded herewith, from which it will be seen that the extensive renewals now required are a consequence of the cheap description of roof originally provided for the Ordnance Lines.

P.S.—Since the above was written, funds have been provided by the Director-General for expenditure during the current official year (*vide* this office department endorsement, No. 85 W., dated 14th January 1890), but the question of an allotment to complete the work in 1890-91 remains to be settled.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

Fort St. George,
15th January 1890.

MILITARY WORKS.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 15th.

Recd. *Encl.*

15th Jan. 1890, No. 102 W.

JANUARY.

Ordnance Lines at Madras

Forwarding correspondence relating to the provision of funds for re-roofing the —, and requesting a special allotment for the work.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From the Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 6th January 1890, No. 30 M.W. (Accounts).

In reply to your letter, No. 3629, dated the 20th December 1889, I am directed to state, for the information of His Excellency the Governor in Council, that the grant of Rs. 1,200 sanctioned by the Government of India in Military Department No. 1824 M.W., dated 12th September 1889, for constructing huts for transport attendants in the Poodoopet maidan at Madras was given from the Military Works reserve, and is an addition to the grant for Military works in the Madras Presidency for 1889-90.

2. I am to add that the grant of Rs. 3,600 sanctioned in Military Department No. 3681 D., dated 1st September 1888, was given from Military and not from Military Works Funds.

ORDER—dated 16th January 1890, No. 121 W., Public Works.

Communicated with reference to G.O., No. 3628 W., dated 20th December 1889, to the Examiner, Public Works Accounts, who will advise the Executive Engineer, Presidency Division, with respect to bringing the expenditure into account in the books of the Public Works Department.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Examiner, Public Works Accounts.
„ Superintending Engineer, V Circle, with reference to G.O., No. 2893 W., dated 15th October 1889.
„ Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 16th.

Recd. *Encl.*

G.O., 16th Jan. 1890, No. 121 W.

JANUARY.

Huts for Transport Attendants in the Poodoopet Maidan

Letter from the Government of India intimating that the grant for constructing — was allotted from the Military Works reserve, communicated to the Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Proceedings of the Government of India, Public Works Department (Account—General), dated Simla, 23rd October 1889, Circular No. 19, Public Works.

Appropriations for Works and Repairs.

Read—the following extract from the Report by the Committee on Public Works Accounts :—

SUBJECT No. XVII.

Appropriations for Works and Repairs.

379. *Conditions vary.*—The circumstances of the Buildings and Roads Branch differ considerably from those of the Irrigation Branch, in the matter of supply of funds.

380. In the Buildings and Roads Branch, the source of supply is greatly diversified. It is necessary that this should be so ; but in the Irrigation Branch it is the exception that funds should be supplied from more than two sources.

381. *Proposals.*—The Committee recommends no change in the matter of appropriations for original works, repairs, and services, chargeable to grants falling under Buildings and Roads heads ; but with respect to the Irrigation Branch the Committee thinks it feasible that the grants should be allotted at the beginning of the year, to divisions, under the following heads :—

Each " major work " separately.
Each " minor work " for which Capital and Revenue Accounts are kept, separately.
All other " minor works " group.

Under—

(*a*) Capital.
(*b*) Revenue—(1) Improvements and extensions ; (2) Repairs, &c.

382. The terms " major work " and " minor work " are used here in the Budget sense, not in the departmental meaning. If this recommendation were adopted, one sum would be placed at the beginning of the year at the disposal of each Executive Engineer, for capital outlay on all works of construction of such a major work as the Ganges canal ; another sum for improvements and extensions, and a third for ordinary maintenance and establishment.

383. Full details, as now, should be given in the budget estimates ; but the Executive Engineer should be subject to the limits suggested in para. 381 only.

384. The Executive Engineer would be responsible that the outlay, for which he received sanction, on works estimates, was kept within the divisional totals and the Examiner's audit would be conducted on the same basis.

385. It is alleged that this procedure would save much correspondence, and the Committee thinks it would entail no evil result. In fact, the Committee would like to see it left optional to the local authorities to introduce a similar procedure in the Buildings and Roads Branch, if it seemed applicable.

386. *Audit objections.*—The Committee thinks that objections by the Examiner for want of appropriation need not be raised before July, if estimates have been duly sanctioned for the works on which the outlay is incurred.

Resolution.—The Government of India is pleased to accept the recommendations made in paras. 381—383 of the report, in regard to the detail in which grants should be allotted to divisions of the Irrigation Branch of the department. Under the procedure now sanctioned, a single lump sum will, for example, as explained in para. 382 of the report, be placed at the disposal of an Executive Engineer for distribution over the different sanctioned works of construction of a single "Major" work, and in order to enable him to frame his plan of working operations for the year with due regard to economy and progress, it will be necessary to communicate the whole grant at his disposal to him at the beginning of the year.

2. The Government of India would be glad to be favored with a report as to how far it may be possible to introduce a similar change in the Buildings and Roads Branch.

3. The recommendation made in para. 386 of the report is approved; objections merely for want of appropriation should not be made before July.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners, Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Resident at Mysore (for information).
The Agents to the Governor-General for Central India, Rajputana and Biluchistan.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director-General of Telegraphs (for information).
The Accountant-General, Public Works Department.
The Director-General of Railways (for information).
The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow and Central Division (for information).
The Comptroller-General (for information).

Order.—Ordered, that the foregoing be communicated to the Local Governments and Administrations and to the officers noted in the margin, for information and guidance.

(Signed) R. C. B. PEMBERTON,
Secretary to the Government of India.

To the Secretary to the Government of Madras,
Public Works Department.

Order—dated 16th January 1890, No. 125 W., Public Works.

Communicated to officers of the Public Works Department, for information and guidance.

2. The Examiner will report on the question in para. 2 of the Government of India Resolution.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" the Chief Engineer, Periyár Project.
" Superintending Engineers.
" the Consulting Architect to Government.
" the Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 16th.

Recd. *Encl.*

G.O., 16th Jan. 1890, No. 125 W.

JANUARY.

Appropriations for Works and Repairs in the Irrigation Branch

Resolution of the Government of India accepting the recommendations of the Committee on Public Works Accounts in regard to the detail in which — should be made, communicated to officers of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From the Consulting Architect to Government, No. 1095, dated 24th October 1889.

From H. IRWIN, ESQ., C.I.E., Consulting Architect to the Government of Madras, to the Surgeon-General with the Government of Madras, dated Chepâk, 10th December 1889, No. 1345.

With reference to your memorandum No. 6091, dated the 8th November 1889, I have the honor to forward, for your approval and submission to Government for sanction, a revised estimate, amounting to Rs. 846, for improving the sanitary condition of the grounds of the Ophthalmic Hospital.

Memorandum No. 394.

Forwarded to the Chief Secretary to Government, Public Department, for the sanction of Government.

2. The proposed changes and new work are all necessary to enable the sanitation of the hospital to be carried out in a satisfactory manner.

FORT ST. GEORGE,
12th December 1889.

(Signed) G. BIDIE, M.B., C.I.E.,
Surgeon-General with Govt. of Madras.

Approved and transferred to the Public Works Department.

(Signed) J. F. PRICE,
Chief Secretary.

22nd December 1889.

ORDER—dated 16th January 1890, No. 126 W., Public Works.

The estimate, amounting to Rs. 846, for improving the sanitary condition of the grounds of the Ophthalmic Hospital, Madras, is sanctioned.

2. This sanction has been registered as Provincial No. 105 W. of 1889-90 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with two enclosures.
" Examiner, Public Works Accounts,
with abstract estimate for note and return
to the Consulting Architect to Government.
" Public Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 16th.

Recd. *Encl.*

G.O., 16th Jan. 1890, No. 126 W.

JANUARY.

Ophthalmic Hospital, Madras

Sanctioning estimate of Rs. 846 for improving the sanitary condition of the grounds of the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From the Executive Engineer, Trichinopoly Division, to the Superintending Engineer, VI Circle, dated 5th December 1889, No. 410 S.E.

In reference to your endorsement No. 815 T.C. of 2nd December 1889 on my letter No. 392 S.E. of 26th November 1889, herewith returned, I have the honor to request that you will consider that letter cancelled; the information required is again stated in this letter.

2. In para. 4 of the letter No. 540, dated 21st October 1889, from the Government Solicitor, printed with G.O., No. 3075 W. of 31st October 1889, it is not clearly stated when time *is* to be held as of the essence of a contract.

The Government Solicitor refers to para. 3 of the Examiner's letter, also printed with the Government Order, and remarks that in cases where time is not of the essence of a contract, he agrees with the remarks contained therein; but these remarks refer to cases where a time *is* specified in the bond for the completion of the work. Thus it may be inferred that although a date may be specified in the bond for completion of a work, yet time is not really of the essence of the contract. This is further supported by second sentence of para. 3 of the Government Solicitor's letter.

3. I should therefore wish to be informed for my guidance—

(1) Under what conditions time is to be considered the essence of a contract.

(2) When time is not of the essence of the contract, although a date for completion may have been fixed, whether it would be necessary to prove the actual direct money loss caused by non-completion within the specified time before a fine or compensation could be exacted.

In most cases it would not be possible to state the actual loss although there might be heavy indirect loss.

No. 874 T.C.

Copy submitted to the Chief Engineer, Public Works Department, for orders of Government on the points raised by the Executive Engineer.

2. It is certainly quite impossible to state in many cases the direct or actual loss entailed from failure to complete a work by the stipulated period; from the Government Solicitor's letter it would appear that in such cases no compensation could be recovered. Then the stipulation or condition as regards time in the contract must virtually remain a dead letter. In almost all Public Works contracts time is one of the essential conditions, and specific mention of the same is therefore made therein, as admitted by the Government Solicitor, in para. 5 of his letter. If this stipulation is to be of no avail, it seems that 50 per cent. of our contracts will be quite useless.

(Signed) A. C. SMITH, Lieut.-Col., R.E.,
Superintending Engineer, VI Circle.

TRICHINOPOLY,
12th December 1889.

No. 5987 C.

Referred to the Government Solicitor for favor of remarks with reference to his letter No. 540, dated 21st October 1889.

CHEPÂK, (Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
21st December 1889. Ag. Joint Secy. to Govt., P.W.D.

From E. BARCLAY, Esq., Government Solicitor, to the Acting Joint Secretary to Government, Public Works Department, dated Madras, 9th January 1890, No. 14.

With reference to your docket No. 5987, dated 21st ultimo, I have to advise as follows.

2. Time is said to be of the essence of a contract where the intention was at the time the contract was entered into that time should be of the essence of the contract, and if the contract is not performed by the date fixed the whole contract becomes nugatory, and substantial performance having become impossible, damages would give no adequate compensation. For instance, if a work has to be completed by a particular date and if not completed by that date it would be of no use to complete such work at all, then the time fixed for the completion of such work would be of the essence of the contract. In such cases if the contract is not performed, so much of it as may not have been performed by the time specified becomes voidable at the option of the promisee.

3. If it was not the intention of the parties that time should be of the essence of the contract, the contract does not become voidable by the failure to do the thing contracted to be done at or before the time specified; but the promisee is entitled to compensation from the promisor for any loss occasioned to him by such failure.

4. In contracts entered into with your department it is, in most cases I think, provided that if the work contracted to be done is not completed by a particular date, the Government may annul the contract and the security deposited by the contractor shall be forfeited to Government. In such cases, though I do not think time could be said to be of the essence of the contract unless the whole scheme contemplated thereby would be frustrated by non-completion at the specified time, yet there are special provisions in the contract for its cancellation in case of non-completion by the specified time, and Government would, in my opinion, be entitled to enforce those provisions and would also be entitled to such compensation not exceeding the amount of the security as the Court, should the matter go into Court, might consider reasonable whether or not actual loss had been sustained. The proper course for Government in such cases would be to annul the contract, forfeit the security, and leave it to the contractor to take such action as he might think fit with a view to recovering any portion of the security, and it would then be for the Court to decide whether the forfeiture of the whole of the security was reasonable under the circumstances of the case. If actual loss or damage to Government by reason of the breach of the contract could be proved, it should be proved, otherwise it must be left to the Court to decide what is reasonable compensation to be allowed for the breach of contract.

5. With regard to para. 4 of my letter No. 540 of 21st October last, where I say that no compensation could be recovered unless actual loss were sustained, I forgot, when writing that letter, the provisions in contracts with your department for deposit of security and its forfeiture under certain circumstances. These provisions bring into force a special section (74) of the Indian Contract Act which would entitle Government to reasonable compensation for breach of contract whether or not actual loss were sustained.

6. I return your docket.

ORDER—dated 16th January 1890, No. 130 W., Public Works.

Communicated to officers of the Public Works Department in continuation of G.O., No. 3075 W., dated 31st October 1889.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
,, Consulting Engineer for Railways.
,, Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 16th.

Recd. *Encl.*

G.O., 16th Jan. 1890, No. 130 W.

JANUARY.

Contracts

Opinion of the Government Solicitor as to what course should be adopted for non-completion of a work by the time specified in the contract when time is provided as the essence of it, communicated to officers of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

Telegram from the Superintending Engineer, I Circle, dated 22nd December 1889.
,, ,, ,, ,, ,, ,, 1st January 1890.
,, ,, Executive Engineer, Rushikulya Division, dated 5th January 1890.
,, ,, Superintending Engineer, II Circle, dated 25th December 1889.
Letter from the Superintending Engineer, III Circle, No. 2769, dated 17th December 1889.
,, ,, ,, ,, ,, ,, 2841, ,, 20th ,, ,,
,, ,, ,, ,, ,, ,, 2926, ,, 24th ,, ,,
,, ,, ,, ,, ,, ,, 2914, ,, 23rd ,, ,,
Telegram ,, ,, ,, ,, dated 6th January 1890.
Letter from the Superintending Engineer, IV Circle, No. 574 E.W., dated 29th Dec. 1889.
,, ,, ,, ,, V ,, ,, 6472, dated 8th January 1890.
,, ,, ,, ,, ,, ,, 6511, ,, 9th ,, ,,
Telegram from the Superintending Engineer, VI Circle, dated 5th January 1890.
Letter ,, ,, ,, ,, No. 2122 T.J., dated 4th Jan. 1890.
,, ,, Chief Engineer, Periyár Project, No. 2299 P.R., dated 23rd Dec. 1889.

ORDER—dated 17th January 1890, No. 135 W., Public Works.

The following Military Upper Subordinates of the Madras Public Works Department will be transferred to the Military Works Branch as soon as required by the Superintending Engineer, Madras Command :—

Conductor J. Kelly, Sub-Engineer, 3rd Grade, Temporary.
Sergeant D. Mackintosh, Supervisor, 1st Grade.
Sub-Conductor J. Patton, Supervisor, 1st Grade.
Sergeant R. T. Healy, Supervisor, 2nd Grade.
Sergeant T. Turner, Supervisor, 2nd Grade, Temporary.
Sergeant W. L. Emery, Overseer, 1st Grade.

2. Their names will be removed from the Madras Public Works Department list from the dates of relief, but for purposes of military promotion they will remain on the Madras list.

3. The sanctioned scale of Upper Subordinates will be reduced to 179 and be distributed among the grades as follows :—

Sub-Engineers, 1st Grade ...	9
Do. 2nd ,, ...	8
Do. 3rd ,, ...	17
	34
Supervisors, 1st Grade ...	21
Do. 2nd ,, ...	35
	56
Overseers, 1st Grade ...	42
Do. 2nd ,, ...	27
Do. 3rd ,, ...	20
	89
Total ...	179

4. Any excess in the present grades will be "Supernumerary" and be absorbed as vacancies occur.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
,, Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.
,, Military Department.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 17th.

Recd. *Encl.*

G.O., 17th Jan. 1890, No. 135 W.

JANUARY.

Military Works Department

Transfer of certain Military Upper Subordinates of the Madras Public Works Department to the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, Madras Army, to the Secretary to Government, Military Department, dated Ootacamund, 19th December 1889, No. 3690-B.

With reference to O.G., No. 2604 W., dated 20th September 1889 (Military Department No. 7037, dated 15th October 1889), I am desired to forward, for sanction and transfer to the Public Works Department for disposal, the estimates, plans, &c., below mentioned, which have been approved by the Commander-in-Chief. The plans and estimates have been countersigned :—

I.—Estimate, amounting to Rs. 2,580, for constructing four latrines for the East hutting lines at Bangalore, with report and plan.
II.—Estimate, amounting to Rs. 2,580, for constructing four latrines for the Pioneer lines at Bangalore, with report and plan.

2. The sums as per margin are provided in the current year's budget for these works, but the Commander-in-Chief recommends that this year only three latrines be constructed for the former, at a cost of Rs. 1,935, and two for the latter, at Rs. 1,290, the sum of Rs. 65 available from the allotment for the former being transferred to the latter, and a further sum of Rs. 280 allotted to this work from the balance of the reserve with Government, for the sanitation of lines of Native troops—see O.G., No. 8289, dated 29th ultimo.

	RS.
Latrines, E. hutting lines	2,000
,, Pioneer lines	945

No. 51, Military.

Approved and transferred to the Public Works Department for disposal.

Fort St. George,
6th January 1890.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl ,
Secretary to Government.

Order—dated 18th January 1890, No. 143 W., Public Works.

The undermentioned estimates are sanctioned :—

Imperial Military.
Original Works.

	RS.	
(1) Constructing 4 latrines for the East hutting lines, Bangalore ...	2,580	No. 32 W. of 1889-90.
(2) Constructing 4 latrines for the Pioneer lines, Bangalore ...	2,580	,, 33 W. of ,,

2. As His Excellency the Commander-in-Chief recommends that only three latrines be constructed for the East hutting lines, and only two for the Pioneer lines, during the current official year, the following transfers of funds are sanctioned :—

Imperial Military.
Original Works.

From	RS.	*To*	RS.
Constructing latrines for the East hutting lines, Bangalore ...	65	Constructing latrines for the Pioneer lines, Bangalore	345
Reserve with the Government for the sanitation of lines of Native troops	280		
Total ...	345		

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with eight enclosures.
" Examiner, Public Works Accounts, with two duplicate abstract estimates.
" Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 18*th*.

Recd. *Encl.*

G.O., 18th Jan. 1890, No. 143 W.

JANUARY.

Latrines

Two estimates, amounting to Rs. 2,580 each, for — for the East hutting lines and for the Pioneer lines at Bangalore, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper :—

From Major-General E. H. H. COLLEN, C.I.E., Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 4th January 1890, No. 19 M.W. (Cantonments—Water-supply).

I am directed to acknowledge the receipt of your communications marginally noted, relative to the provision of a water-supply for the cantonment and town of Bangalore, and in reply to state, for the information of the Governor in Council, that the Government of India, after careful consideration, have decided to place the preparation of a definite project for this work in the hands of the Inspector-General of Military Works in communication with the Resident in Mysore.

No. 3432, dated 3rd December 1889.
„ 1683 W., dated 27th June 1889.
„ 1327, dated 18th May 1889.

Order—dated 18th January 1890, No. 154 W., Public Works.

Recorded.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Military Department.
„ Superintending Engineer, V Circle.
To J. G. Larminie, Esq., Executive Engineer.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 18th.

Recd. *Encl.*

G.O., 18th Jan. 1890, No. 154 W.

JANUARY.

Water-supply for the Cantonment and Town of Bangalore

Letter from the Government of India stating that it has been decided to place the preparation of a definite project for the — in the hands of the Inspector-General of Military Works in communication with the Resident in Mysore, recorded.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

Proceedings of the Government of India, Public Works Department (Account—General), dated Calcutta, 7th January 1890, Circular No. 1, Public Works.

Cheques.

Read—Paras. 444, 445 of the report by the Committee on Public Works Accounts.

Cheques.

444. In some provinces it seems to be thought necessary that the disbursing officer should write out the cheques with his own hand. This is generally a waste of valuable time ; and, moreover, it gratuitously introduces an element of danger of mistake. What is essential is that the disbursing officer should keep the cheque books in his own custody, and that he should formally authorise the payment of all bills. The accountant may well be entrusted with the writing up of the cheques ; and this may, if it be thought necessary for safety, be done in the disbursing officer's presence. The disbursing officer is thus left free to examine the correctness of the cheques with the bills before he signs the former.

445. The Committee thinks that the drawer should be permitted to make all cheques payable to order, and that in such cases the treasury officers as bankers should be held responsible for the identification of the payee.

Read—also Public Works Department Code, volume I, chapter X, 32.

Resolution—The principles enunciated in para. 444 are correct, and the misconception referred to in the first sentence should be set right.

2. The permission in the Code, chapter X, 32, to make cheques in certain cases payable to bearer, does not limit the discretion of the disburser to make such cheques payable to order, but officers are informed that a payee has the right to refuse to take a cheque payable to order, and that they should not resist the wishes of a payee in this matter in such a way as to cause needless trouble.

3. This order is applicable to the Buildings and Roads, Irrigation, and Railway Construction Branches of the department.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General, Central India, Rajputana and Biluchistan.
The Director-General of Railways.
The Accountant-General, Public Works Department.

The Resident at Mysore.
The Director-General of Telegraphs.
The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow and Central Division.
The Comptroller-General.
The Superintendent of Port Blair, and Chief Commissioner, Andaman and Nicobar Islands.

Order—Ordered that the foregoing be communicated to Local Governments and Administrations, and to the officers noted in the margin, for information and guidance.

Ordered also that a copy be sent to the officers noted in the margin for information.

(Signed) R. C. B. PEMBERTON, Colonel, R.E.,
Secy. to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

ORDER—dated 21st January 1890, No. 172 W., Public Works.

Communicated to officers of the Public Works Department for information and guidance.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Examiner, Railway Accounts.

GENERAL.
ACCOUNT.

Govt. of 1890} Madras.

PUBLIC WORKS.

Dated January, 21st.

Recd *Encl.*

G.O., 21st Jan. 1890, No. 172 W.

JANUARY.

Cheques

Resolution of the Government of India regarding the writing and issue of —, communicated to officers of the Public Works Department for information and guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper :—

From H. IRWIN, Esq., C.I.E., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 8th January 1890, No. 1460.

With reference to G.O., No. 3361 W., dated 26th November 1889, I have the honor to submit a plan and an estimate, amounting to Rs. 13,371, for extending shed No. 1 at the Army Clothing Department, Madras.

2. The estimate, it will be observed, is Rs. 871 in excess of the amount (Rs. 12,500) allotted for the work in G.O., No. 3581 W., dated 14th December 1889, on the approximate estimate submitted by me on 27th November 1889; this excess is due to having insufficient data for roofs of this description, the cost of which had to be obtained from Bombay.

3. I presume the work in question will be executed by the Military Works Department.

Order—dated 21st January 1890, No. 179 W., Public Works.

The estimate, amounting to Rs. 13,371, for extending store-shed No. 1, Army Clothing Agency, Madras, is sanctioned.

2. The Consulting Architect will arrange, in communication with the Superintending Engineer, V Circle, to transfer the plan and estimate and the sanctioned allotment for the works to the Superintending Engineer, Military Works Department, for execution.

3. This sanction has been registered as Imperial No. 34 W. of 1889-90, and classified as Military, Original works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with four enclosures.
" Examiner, Public Works Accounts.
" Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 21st.

Recd. *Encl.*

G.O., 21st Jan. 1890, No. 179 W.

JANUARY.

Extending Store-shed No. 1, Army Clothing Agency, Madras

Estimate of Rs. 13,371, for —, sanctioned, and the Consulting Architect directed to transfer the plan and estimate and the sanctioned allotment for the works to the Superintending Engineer, Military Works Department, for execution.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

From G. H. D. WALKER, Esq., Under-Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 7th January 1890, No. 38 G.

With reference to your Proceedings, No. 3392 W., dated the 28th November 1889, and connected correspondence regarding the transfer of military works in Madras to the Inspector-General of Military Works, I am directed to request that instructions may be now issued for the early transfer of the military works at Madras and Bangalore to the Military Works Department. In the first instance the officers now attached to the works and required to carry them on should be transferred with the works and should be notified in the Gazette as temporarily transferred to the establishment under the Inspector-General, Military Works.

2. The question of the officers to be permanently transferred from Madras in consequence of the reduction of work by this transfer will be subsequently considered. This course has been followed in the case of the Bombay Presidency and other administrations in which a transfer of works has taken place. The transfer of subordinates and other establishment between the Public Works and Military Works Departments should be arranged with the Inspector-General.

3. I am also to request that this office may be informed at an early date of the grants under Works, Repairs, Establishment and Tools and Plant that will be transferred to the Inspector-General of Military Works under these instructions.

ORDER—dated 23rd January 1890, No. 216 W., Public Works.

Instructions have already been issued in G.O., No. 3645 W., dated 21st December 1889, for the early transfer of military works to the Military Works Department, and the following notification will now be published in the *Fort St. George Gazette* :—

NOTIFICATION.

The services of the undermentioned officers are temporarily transferred to the establishment under the Inspector-General of Military Works :—

Mr. W. B. deWinton, Executive Engineer, 2nd Grade.
Honorary Lieutenant A. Milne, Assistant Engineer, 1st Grade.

2. The Superintending Engineers concerned will submit, with the least possible delay, statements showing the Military Works grants for the current official year, under Works, Repairs, Establishment and Tools and Plant, that are transferred to

the Military Works Department at the stations referred to in para. 2 of G.O., No. 3645 W., dated 21st December 1889.

3. A copy of these Proceedings will be forwarded to the Government of India with intimation that the statements of grants will follow on receipt.

(Here enter No. 217 W., dated 23rd January 1890.)

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineers, III, IV, V and VI Circles.
" Examiner, Public Works Accounts, with notification for publication.
" Military Department.
" Inspector-General of Military Works.

ENDORSEMENT—dated 23rd January 1890, No. 217 W., Public Works.

Forwarded.

(By Order.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 23rd.

Recd. *Encl.*

G.O., 23rd Jan. 1890, Nos. 216 W., 217 W.

JANUARY.

Military Works Department

Forwarding copy of Proceedings transferring certain officers to the —, and requesting Superintending Engineers to submit a statement of grants for military works transferred to that department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From J. D. GRANT, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 21st December 1889, No. 2339 G.D.

I have the honor to submit herewith the following estimates, received from the President, Local Fund Board, Godávari district, and to request that you will be good enough to obtain the sanction of Government to the same.

2. The estimates have been scrutinized by this office:—

	Estimate. RS.
Repairing flood damages on road from Sámalkót to Kattipudi ...	21,055
Metalling and gravelling road from Tuni to Kotanundur ...	12,900

ORDER—dated 24th January 1890, No. 222 W., Public Works.

The undermentioned estimates are sanctioned and registered as Local:—

	RS.	
(1) Repairing flood damages on road from Sámalkót to Kattipudi in the Godávari district	21,055	No. 37 W. of 1889-90.
(2) Metalling and gravelling the road from Tuni to Kotanundur in the Godávari district	12,900	No. 38 W. of 1889-90.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Local and Municipal Department, with seven enclosures.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 222 W.

JANUARY.

Roads in the Godavari District

Estimates for repairing certain —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Lieut.-Colonel A. C. SMITH, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Bangalore, 23rd December 1889, No. 821 T.N.

I have the honor to forward herewith a letter No. 142, dated 16th instant, from the President, District Board, Tinnevelly, addressed to the Chief Secretary to Government, together with its accompaniments.

2. The estimate therewith received provides for constructing the road from Thulukupatty railway feeder at its junction with road No. 1 to Kanneseri in Sátúr taluk. The distance of the road is 1 mile 5,020 feet. The top width is to be 15 feet, of which 12 feet is to be gravelled. The thickness of gravel will vary from $4\frac{1}{2}''$ to $9''$ according to the nature of soil. Provision is also made in the estimate for the construction of one bridge and three tunnels where the streams are crossing the proposed line.

3. The estimate has been checked and found correct. The rates allowed are fair.

ORDER—dated 24th January 1890, No. 223 W., Public Works.

The estimate, amounting to Rs. 5,620, for constructing a road from Thulukupatty railway feeder on road No. 1 to Kanneseri in the Tinnevelly district, is sanctioned.

2. This sanction has been registered as Local No. 39 W. of 1889-90.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Local and Municipal Department, with ten enclosures.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 223 W.

JANUARY.

Road

Sanctioning an estimate, amounting to Rs. 5,620, for constructing a — from Thulukupatty railway feeder on road No. 1 to Kanneseri in the Tinnevelly district.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From J. D. GRANT, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 14th December 1889, No. 2316 G.D.

I have the honor to submit herewith an estimate of Rs. 9,160 for constructing and gravelling a road along the left bank of the Gunnaram canal from 29th mile to 31st mile, received from the President, District Board, Godávari district, and to request that the sanction of Government may be obtained to the same. The estimate has been scrutinized as far as possible by this office. The cross sections of the proposed road and other necessary papers accompany the estimate.

ORDER—dated 24th January 1890, No. 224 W., Public Works.

The estimate, amounting to Rs. 9,160, for constructing and gravelling the road along the left bank of the Gunnaram canal from the 29th to the 31st mile, is sanctioned.

2. This sanction has been registered as Local No. 36 W. of 1889-90.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
,, Local and Municipal Department, with five enclosures.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 224 W.

JANUARY.

Road on the Left Bank of the Gunnaram Canal

Estimate of Rs. 9,160 for constructing and gravelling — from the 29th to the 31st mile, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 8th January 1890, No. 51-A.

With reference to O.G., No. 1298, dated 21st February 1889, I am desired to forward, for sanction and transfer to the Public Works Department for disposal, the revised estimate below mentioned, which has been approved by the Commander-in-Chief. The estimate has been countersigned :—

Revised estimate, amounting to Rs. 3,100, for providing quarters for the Sergeant-Instructor, Kolar Gold Fields Company, Bangalore.

2 The necessity for the revised estimate is explained as being due to the fact that the rates entered for several items in the original estimate are so low that no contractor could be induced to take up the work. The rates have accordingly been altered in accordance with those allowed for other works at the gold fields.

3. A sum of Rs. 2,389, the amount of the original estimate, has been allotted by the General Officer Commanding Bangalore for the execution of the work in the current year, and as no more funds are available at his disposal to meet the increased cost, it is hoped that Government will find it possible to make an allotment of Rs. 711 from savings or other sources to ensure the completion of the work in the current year.

No. 211, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

FORT ST. GEORGE,
11th January 1890.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

ORDER—dated 24th January 1890, No. 225 W., Public Works.

The revised estimate, amounting to Rs. 3,100, for providing quarters for the Sergeant-Instructor attached to the Kolar Gold Fields Company at Bangalore, is sanctioned in supersession of the estimate forwarded to the Superintending Engineer, V Circle, for sanction with G.O., No. 464 W., dated 16th February 1889.

2. The Government regrets that funds are not available to provide the balance, Rs. 711, applied for. The demand will, however, be kept in view should funds become available later in the year.

3. The Superintending Engineer, V Circle, will furnish the Examiner of Public Works Accounts direct with a copy of the abstract estimate.

4. This sanction has been registered as Imperial No. 35 W. of 1889-90, and classified as Military, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with two enclosures.
" Examiner, Public Works Accounts.
" Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 225 W.

JANUARY.

Quarters for the Sergeant-Instructor attached to the Kolar Gold Fields Company, Bangalore

Revised estimate of Rs. 3,100 for providing —, sanctioned

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Colonel T. K. GUTHRIE, Inspector-General of Police, to the Chief Secretary to Government, dated Madras, 17th December 1889, No. 6631.

I have the honor to submit, for sanction, Public Works Department plan and estimate for Rs. 3,190 for the construction on the standard design of a first-class Police station-house at Bezváda town, Kistna district, the establishment of which was sanctioned in G.O., No. 2003, dated 22nd November 1889, J.D., and to request that Government may be pleased to allot funds from the reserve during the current year as the station-house is urgently required.

Approved and transferred to the Public Works Department.

FORT ST. GEORGE,
14th January 1890.

(Signed) A. G. CARDEW,
Under-Secretary.

ORDER—dated 24th January 1890, No. 226 W., Public Works.

The estimate, amounting to Rs. 3,190, for constructing a first-class Police station-house in Buckinghampet at Bezváda, Kistna district, is sanctioned, and a sum of Rs. 2,540, being the amount applied * for by the Superintending Engineer for expenditure on the work during the current official year, is appropriated from the Provincial reserve with the Government.

* Statement of modifications of grants, dated 11th December 1889.

2. This sanction has been registered as Provincial No. 107 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle, with five enclosures.
,, Examiner, Public Works Accounts, with the duplicate abstract estimate.
,, Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 226 W.

JANUARY.

Police Station-house in Buckinghampet at Bezvada

Estimate of Rs. 3,190 for constructing a first-class —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

G.O., dated 17th December 1889, No. 1382, Judicial.

From Colonel T. WELDON, Commissioner of Police, to the Chief Secretary to Government, Fort St. George, dated Madras, 23rd October 1889, No. 71.

I have the honor to forward revised plan and estimates * for the construction of the stabling for the Police horses which was sanctioned by Government so far back as December 1886 and registered (Public Works Department) as Provincial No. 149 W. of 1886-87, Civil Buildings, Original Works. There has been delay in submitting this as it was considered desirable to substitute an open shed for close stalls, a temporary shed in use having proved far more healthy than the stalls. There have been several revisions by the Public Works Department, and eventually the Superintending Engineer was of opinion that the original design for a shed required to be strengthened by cross walls to guard against the effect of cyclonic storms. The present shed in use is a somewhat dangerous structure, being supported mainly by casuarina posts which are subject to the ravages of white-ants; the roof too being inflammable is objectionable. I trust therefore that the plan and estimate now submitted may be finally approved. The cost (Rs. 4,228) exceeds the amount originally sanctioned by Rs. 1,141, which the Superintending Engineer reports is unavoidable.

* 1. Revised estimate.
2. Do. detail measurements.
3. Do. abstract.
4. Do. plan.

Approved and transferred to the Public Works Department.

FORT ST. GEORGE,
5th November 1889.

(Signed) A. G. CARDEW,
Under-Secretary.

Memo. No. 5390 C.

In returning the papers transferred with Judicial Department endorsement, dated 5th November 1889, the undersigned has the honor to forward copy of a standard design drawn up by this department in 1883 for British Cavalry and Artillery stables, and to inquire whether there is any objection to the adoption of this plan for the stables proposed to be built for Police horses at Egmore.

2. The plan submitted through the Commissioner of Police is considered defective in constructive details, and too expensive. It is also considered that one harness room should be sufficient for 12 horses, instead of two as proposed.

3. Stables for Artillery horses at St. Thomas' Mount, constructed nearly in accordance with the standard design, cost on an average Rs. 103 per horse. It will therefore be seen that a large saving will be effected by its adoption for the Police horses.

4. Cross walls are not provided in the standard plan, but the Superintending Engineer will be instructed to provide them for the Police stalls.

5. If these suggestions be approved, a revised plan and estimate will be prepared accordingly.

(By Order.)

CHEPÂK, 18th November 1889. (Signed) W. L. C. BADDELEY, Captain, R.E., Under-Secy. to Govt., P.W.D.

From Colonel T. WELDON, Commissioner of Police, to the Chief Secretary to Government, Fort St. George, dated Madras, 3rd December 1889, No. 80.

I have the honor to return the plan and estimates for the Police horse shed referred to me for remarks by endorsement, dated 23rd November 1889, on a memorandum by the Under-Secretary to Government, Public Works Department, No. 5390 C., dated 18th November 1889.

2. The plan submitted by the Judicial Department is objected to as being defective in constructive details and too expensive. Two harness rooms are also objected to on the (erroneous) assumption that they are required for the saddlery of 12 horses only.

3. The construction of this or similar much needed shelter was sanctioned by Government so far back as 1886, meantime the horses have been kept in a temporary shed, constructed departmentally, which, owing to its inflammability and temporary nature, is a source of anxiety whenever there is either long continued dry weather or indications of approaching storms. An open shed has been tried in preference to closed stalls with the most satisfactory results. The veterinary records will show that the horses have never been in such good health and condition as since they have been stabled in this way ; except as the result of an accident, we rarely now have a horse out of work. The difference between the comfort of an open well ventilated shed and the close stalls is most marked, especially in the hot season when the horses in the latter may be seen evidently distressed and sweating, while those in the open shed are cool and comfortable. With a shed also the whole line of horses is well under the observation of the officer or lineman on duty both day and night.

4. Having well tested this mode of stabling, all we asked was that the present temporary and somewhat dangerous structure should be made permanent. The constructive details and cost form of course a professional question. The cost certainly seems high, but so is the cost of all buildings erected by the Public Works Department. At the same time I do not think it possible to construct a substantial shed, giving the required accommodation, for the sum of Rs. 103 per stall. The light sheds erected by the Harbour Trust, quite open except at the ends and with light corrugated iron roof, cost, I believe, Rs. 215, or 220 per 10 running feet. The standard plan which accompanied the memorandum above quoted gives a width of only 8 feet per stall and a total depth of only 10 feet without any verandah. The horses would be very cramped and in the day time and in wet weather exposed to the sun and rain ; the bedding would get wet and rheumatism and other complaints result. Our horses lead a far harder life than army horses do in time of peace ; they are out in all weathers, come home sometimes late at night, and must have room to lie down and rest. I understand that a committee is now engaged at St. Thomas' Mount in discussing needed improvement on the standard plan of stables.

5. One saddle and harness room would not be sufficient, as there is the saddlery of other horses, besides the harness, double and single, of two pairs of van horses to be provided for. At present the saddlery has to be kept exposed in the shed and liable not only to damage but loss by pilfering small straps, &c. The harness suffers even more than the saddlery.

6. This work has been long delayed by frequent changes and alterations in the design though it might be supposed that the erection of a plain open shed would not present such difficulties. All we ask is that the present very satisfactory, but

temporary, mode of sheltering the horses in a shed be made permanent, the two ends of the shed being enclosed to form saddle and harness rooms and to give stability to the structure. With great respect I do not consider the army standard plan suitable for our purpose, and I trust Government may be pleased to direct the adoption of the principle submitted by the Judicial Department, with such modifications of constructive detail as the Public Works Department may consider necessary. The problem to be solved will doubtless not present any difficulty to professional Engineers.

Order—dated 17th December 1889, No. 1382, Judicial.

The Commissioner of Police's letter will be transferred to the Public Works Department with reference to memorandum in that department, No. 5390 C., dated 18th November 1889, with an intimation that the plan and estimate transferred under Judicial endorsement, dated 5th November 1889, should, so far as may be, be adhered to, and with a request that the work may be carried out at an early date.

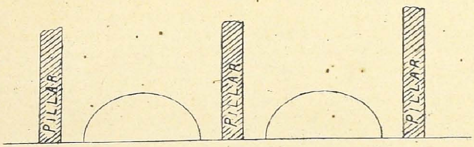
(True Extract.)

(Signed) A. G. CARDEW,
Under-Secretary.

Note by the Chief Engineer, P.W.D., General, Buildings and Roads Branch.

The only alteration that can be suggested with a view to improving ventilation is to build the stables in the following form :—

AA being harness and saddle rooms would act as buttresses to the ends of the main building. A free draught can then be maintained through the length of the stable. In the cross walls of the plan furnished by the Superintending Engineer, two semi-circular openings may be made for ground ventilation thus :—



The present shed has no rear wall, and it is suggested that the 9″ wall between the bays be dispensed with. To strengthen the building laterally the outer pillars may be buttressed so as to prevent collapse during cyclonic disturbances.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Chief Engineer, P.W.D., General,
Buildings and Roads Branch.

CHEPÂK,
22nd January 1890.

ORDER—dated 24th January 1890, No. 241 W., Public Works.

The revised estimate, amounting to Rs. 4,228, for constructing 12 horse-stalls for the Mounted Police, in the compound of the Presidency Magistrate's Court at Egmore, Madras, is sanctioned in supersession of the estimate of Rs. 3,087 sanctioned in G.O., No. 3227 W., dated 7th December 1886.

2. A sum of Rs. 4,228 is allotted from the Provincial reserve with the Government for the work which should be executed as quickly as possible.

3. Attention is drawn to the note by the Chief Engineer above recorded.

4. This sanction has been registered as Provincial No. 108 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.).

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with five enclosures.
,, Examiner, Public Works Accounts, with the duplicate abstract estimate.
,, Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 241 W.

JANUARY.

Twelve Horse Stalls for the Mounted Police in the Compound of the Presidency Magistrate's Court, Egmore

Revised estimate of Rs. 4,228 for constructing —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

Proceedings of the Government of India, Public Works Department (Account—General), dated Calcutta, 9th January 1890, No. 2 A.—G.

Capital and Revenue Accounts of Government Buildings occupied as Residences.

Read—

Public Works Department Resolution No. 479 B., dated 7th September 1888.

Para. 28, chapter XI, volume I of the Public Works Department Code (as revised by S. O. No. 144 of the 9th November 1888).

Letter No. 8413, dated 8th November 1889, from the Agent to the Governor-General, Baluchistan, to the Government of India, Public Works Department.

Observations—In the foot-note to the revised rules * for regulating the rents to be charged for the occupation of public buildings as residences, it was provided that the modified rents should be made applicable from the 1st April 1889, and it has now been represented that, in view to ascertaining readily the effect of the new rules, it would be desirable to omit from the Capital and Revenue accounts of buildings for the current year, all previous revenue receipts and maintenance and interest charges, and to start fresh accounts for all buildings, leaving the columns to " end of previous year " (excepting that for " capital outlay ") in the return for 1889-90 blank.

* Public Works Department Code, vol. I, chap. XI, para 28.

Resolution—The Government of India approves of the above suggestion, and directs that it be given effect to in the preparation of the Capital and Revenue accounts of buildings for the current official year.

2. Local Governments and Administrations are invited to pay special attention to the results brought out by the accounts of 1889-90, as it is important to know exactly how the interests of Government are affected by this class of transaction. Measures should also be taken to ensure that Examiners of Public Works Accounts are furnished with correct and complete data for the preparation of the current year's returns.

Order — Ordered that the foregoing be communicated to the Local Governments, Administrations and officers noted in the margin, for information and guidance.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General, Central India, Rajputana and Biluchistan.
The Director-General of Railways.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Accountant-General, Public Works Department.

Ordered also that a copy be forwarded to the Military Department for information.

(Signed) R. C. B. PEMBERTON, Col., R.E.,
Secy. to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

ORDER—dated 24th January 1890, No. 242 W., Public Works.

Communicated to Superintending Engineers and to the Examiner, Public Works Accounts, for information and guidance.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 242 W.

JANUARY.

Government Buildings occupied as Residences

Resolution of the Government of India directing that in the preparation of the Capital and Revenue Accounts of — for 1889-90 to omit all previous revenue receipts and maintenance and interest charges leaving the column to "end of previous year" blank, excepting that for "capital outlay," communicated to Superintending Engineers and to the Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Proceedings of the Government of India, Public Works Department (Account—General), dated Calcutta, 7th January 1890, Circular No. 2, Public Works.

Vouchers for petty payments, and for payments for which it is difficult to obtain the payee's receipt.

Read—Paras. 100—102 of the report by the Committee on Public Works Accounts :—

100. *Limit within which vouchers not required.*—The question to what extent it is desirable to allow payments to be made without a voucher was much discussed. Opinion on it is divided. The present rule is that the paying officer must take vouchers for all his payments in one shape or another ; but that muster rolls, and vouchers for payments individually less than Rs. 5, need not pass beyond the disburser's possession, or at least beyond the divisional office. They are, however, liable to be called for by the Examiner at his inspections. There are cases in which it is difficult, if not impossible, to obtain receipts from the payees, and the tendency of the rules as they now stand has been to encourage the manufacture of incorrect or spurious vouchers.

101. The Committee thinks that it might be left optional with Executive Engineers to require, from those serving under them, vouchers for payments under Rs. 10 each ; but that in no case need vouchers under this limit be submitted to the Examiner or called for by him in his test audit.

102. The Committee further thinks that in many cases a certificate of payment by a responsible officer is the best voucher of the payment, and that such certificates should be freely accepted in all cases when the Executive Engineer can satisfy the Examiner that there is difficulty in getting a formal voucher.

Read—also Public Works Department Code, vol. I, chap. X, para. 48, and vol. II, chap. XIII, para. 106—(Standing Order No. cxlvi, dated 16th July 1887).

Resolution—The Government of India accepts the recommendations made in paras. 101 and 102 of the report, with the exception that vouchers must be obtained for all payments to members of the establishment, and be submitted to audit as at present.

2. Executive Engineers should not take undue advantage of the permission given to send a certificate of payment, instead of a receipt, in support of an entry in their accounts ; receipts should always be obtained when possible. On the other hand, the Examiner should interpret liberally the proviso that he is to be satisfied of the difficulty in getting a receipt, and should, as a general rule, accept such certificates as he may receive with the accounts.

3. If it be considered that clerical labor in the divisional office will be thereby reduced, Local Governments and Administrations are empowered to draw out, with the assistance of the Examiner of Accounts, a form in which certificates of payment should be submitted.

4. Certificates of payments should bear the same signatures as ordinary vouchers of payments.

5. This order is applicable to the Buildings and Roads, Irrigation, and Railway Construction Branches of the department.

Order — Ordered that the foregoing be communicated to Local Governments and Administrations, and to the officers noted in the margin, for information and guidance.

Also that a copy be forwarded to the Finance Department and the officers noted in the margin for information.

For information and guidance.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana, and Biluchistan.
The Director-General of Railways.
The Accountant-General, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.

For information only.

The Resident at Mysore.
The Director-General of Telegraphs.
The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow and Central Division.
The Comptroller-General.

(Signed) R. C. B. PEMBERTON, Colonel, R.E.,
Secretary to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

ORDER—dated 24th January 1890, No. 243 W., Public Works.

Communicated to officers of the Public Works Department for information and guidance.

2. The Examiner will report on the subject of para. 3 of the Government of India Resolution.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
,, Consulting Engineer for Railways.
,, Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.
,, Examiner, Railway Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 243 W.

JANUARY.

Vouchers

Resolution of the Government of India accepting, with certain exception, the recommendation of the Committee on Public Works Accounts regarding—for petty payments and for payments for which it is difficult to obtain the payee's receipt, communicated to officers of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From M.R.Ry. S. SRINIVASA RAGHAVAIYANGAR, Avergal, Dewan Bahadur, Inspector-General of Registration, to the Chief Secretary to Government, dated Nídámangalam, 7th December 1889, T. No. 4178.

I have the honor to submit, for the sanction of Government, an estimate, amounting to Rs. 2,730, for constructing, on the standard design, a Sub-Registrar's office at Swamimalai, in the Tanjore district, received from the Superintending Engineer, VI Circle, together with his report, No. 1920 T.J., dated 27th November 1889, and its enclosures.

R. No. 51, Judicial.

Approved and transferred to the Public Works Department.

15th January 1890. (Signed) A. G. CARDEW,
Under-Secretary.

Order—dated 24th January 1890, No. 244 W., Public Works.

The estimate, amounting to Rs. 2,730, for constructing a Sub-Registrar's office at Swamimalai, in the Tanjore district, is sanctioned.

2. This sanction has been registered as Provincial No. 110 W. of 1889-90, and classified as Civil Buildings, Original works.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with four enclosures.
" Examiner, Public Works Accounts, with the duplicate abstract estimate.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 244 W.

JANUARY.

Sub-Registrar's office at Swamimalai, Tanjore District

Estimate of Rs. 2,730 for constructing a —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 16th January 1890, No. 6704.

I have the honor to forward an estimate of Rs. 752 for purchase of tools and plant for Cuddalore bridge works for your sanction.

Order—dated 24th January 1890, No. 245 W., Public Works.

The estimate, amounting to Rs. 752, for the purchase of tools and plant required for the Cuddalore bridge works, is sanctioned.

2. The items in the abstract estimate should have been entered in detail instead of being lumped together.

3. This sanction has been registered as Provincial No. 109 W. of 1889-90, and classified as Tools and Plant.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with one enclosure.
" Examiner, Public Works Accounts, with copy of the abstract estimate.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 245 W.

JANUARY.

Cuddalore Bridge Works

Sanctioning an estimate, amounting to Rs. 752, for the purchase of tools and plant required for the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From M.R.Ry. DALAVOZ THEETHARAPPA MUDALIYAR, Chairman, Municipal Council, Tinnevelly, to the Chief Secretary to Government (through the Revenue officer in charge of Division, Tinnevelly), dated Tinnevelly, 7th December 1889, No. 280.

In reference to G.O., No. 609 M., dated 17th May 1889, on the Proceedings of the Board of Revenue, No. 83, dated 6th February 1889, I have the honor to inform you that the councillors are prepared to bear the cost of entertaining an establishment, at a cost not exceeding Rs. 1,000, for a period of two months, for the purpose of working out a scheme in detail for supplying the town with fresh water.

2. The resolution of the council on the subject is herein enclosed.

ENCLOSURE.

EXTRACT from the proceedings of the Councillors of Tinnevelly Municipality, under date the 25th November 1889, at 7½ A.M., No. 23.

* * * * *

Para 1. Read G.O., No. 609, dated 17th May 1889, regarding the scheme of water-supply for the Tinnevelly town.

Resolved,—that the Government be informed that the councillors are prepared to bear the cost of entertaining an establishment, at a cost not exceeding Rs. 1,000, for a period of two months, for the purpose of working out a scheme in detail for supplying the town with fresh water.

* * * * *

(Signed) DALAVOZ THEETHARAPPA MUDALIYAR,
Chairman.

Submitted to Government.

(Signed) R. ANANTARAMA AIYAR,
for Ag. Collector.

18th December 1889.

No. 25, Local and Municipal.

Transferred to the Public Works Department with reference to G.O., dated 17th May 1889, No. 609 M.

(Signed) A. BUTTERWORTH,
Ag. Assistant Secretary.

FORT ST. GEORGE,
18th January 1890.

ORDER—dated 24th January 1890, No. 246 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, who will arrange to have the scheme worked out under the orders of the Executive Engineer, Tinnevelly division. The establishment required for the purpose should be reported without delay.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Chief Engineer for Irrigation, with copy of G.O., No. 1458 W., dated 3rd June 1889.
" Examiner, Public Works Accounts.
" Local and Municipal Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 24th.

Recd. *Encl.*

G.O., 24th Jan. 1890, No. 246 W.

JANUARY.

Water-supply of Tinnevelly

The Superintending Engineer, VI Circle, directed to arrange for working out a scheme for the — under the orders of the Executive Engineer, Tinnevelly division, and to report the establishment required for the purpose.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

From the Superintending Engineer, V Circle, dated 16th January 1890, No. 6714.
" " " " 20th " " 6801.

Order—dated 27th January 1890, No. 259 W., Public Works.

The following sums surrendered by the Superintending Engineer, V Circle, are resumed and credited to the Provincial reserve with the Government :—

		RS.
(1)	Taluk office at Villupuram	2,000
(2)	Collector's office at Cuddalore	186
(3)	Civil Buildings, Minor Works, South Arcot division	1,300
(4)	Providing record-racks for the Collector's office at Chittoor ...	114
(5)	Constructing 7 Police huts at Kuppam	30
(6)	Converting the bastion cells in the Vellore fort into a Sub-jail for the Tahsildar's office	1,900
(7)	Civil Buildings, Minor Works, North Arcot division	400
(8)	Do. Repairs, Chingleput division	5,100
	Total ...	11,030

2. The undermentioned allotments applied for by the Superintending Engineer are sanctioned from the Provincial reserve with the Government :—

		RS.
(1)	Laboratory attached to the College of Agriculture at Saidápet.	1,357
(2)	Sub-Registrar's office at Kuppam	125
(3)	Civil Buildings, Minor Works, Public Works Stores division ...	1,750
(4)	Do. do. do. Workshops division	200
(5)	Do. Repairs, North Arcot division	3,200
(6)	Do. do. Public Works Workshops division ...	700
(7)	Do. do. do. Stores division ...	120
(8)	Tools and Plant, South Arcot division	1,200
(9)	Do. North Arcot do.	125
(10)	Do. Public Works Workshops division	1,500
	Total ...	10,277

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 27th.

Recd. *Encl.*

G.O., 27th Jan. 1890, No. 259 W.

JANUARY.

Funds

Orders on statement of savings and demands, V Circle, for quarter ending 31st December 1889.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper :—

G.O., dated 18th January 1890, No. 376, Military (Establishments—Working Parties).

Read—the following letter from the Quartermaster-General, No. 65 B, dated 11th January 1890.

With reference to this office letter No. 142 B., dated 16th January 1889, recorded in Proceedings of Government, No. 1461, dated 27th February 1889, I have the honor, by order, to forward two amended lists of artificers, &c., in the 1st and 4th Madras Pioneers for employment in the Public Works Department.

Order—dated 18th January 1890, No. 376, Military.

Communicated, and the lists forwarded to the Public Works Department with advertence to G.O., No. 358 W., dated 8th February 1889.

(True Extract.)

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Order—dated 27th January 1890, No. 261 W., Public Works.

An abstract of the amended lists will be printed and circulated to Superintending Engineers for information.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Chief Engineer, Periyár Project.
" Consulting Architect to Government.
" Military Department.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 27th.

Recd. *Encl.*

G.O., 27th Jan. 1890, No. 261 W.

JANUARY.

Artificers, &c.

List of — available in the 1st and 4th Madras Infantry (Pioneers) for employment in the Public Works Department.

Accompaniment to G.O., No. 261 W., dated 27th January 1890.

ABSTRACT showing number of Artificers, &c., available in the 1st and 4th Madras Infantry (Pioneers) for employment in the Public Works Department.

Name of Regiment.	Company.	Carpenters.	Blacksmiths.	Bricklayers.	Brick-moulders.	Masons.	Tile-makers.	Stone-cutters.	Hammer-men.	Bellows-boys.	Sawyers.
1st Madras Infantry (Pioneers).	A	3	1	11	..	..	..	..	1	..	..
	B	2	1	6	..	..	..	..	..	1	..
	C	2	3	8	..	..	..	..	1	..	..
	D	1	1	9	..	..	..	..	..	1	..
	E	2	1	9	35	..	9	..	..	..	..
	F	2	2	13	26	..	10	1	..	..	..
	G	3	..	10	21	..	5	1	2	..	..
	H	2	1	14	39	..	10	1	..	..	..
4th Madras Infantry (Pioneers).	A	(*a*) 3	3	..	..	4	..	4	..	..	..
	B	2	2	..	..	4	..	..	..	..	..
	C	3	(*d*) 3	..	..	(*a*) 8	..	6	..	..	..
	D	(*b*) 2	2	..	..	(*e*) 7	..	2	..	..	..
	E	(*c*) 2	1	..	..	4	..	3	3	..	2
	F	2	..	..	..	2	..	..	..	2	..
	G	3	2	..	..	2	..	..	..	..	..
	H	2	..	..	..	5	..	1	..	..	1

(*a*) One is on sick leave.
(*b*) One is also a cane-weaver.
(*c*) One is also a book-binder.
(*d*) One is an assistant armourer.
(*e*) One is also a stone-cutter.

Note.—Of the 4th Madras Infantry (Pioneers) there are 2 carpenters and 11 blacksmiths undergoing instruction in the Sapper Workshops at Bangalore; and 10 carpenters, 1 blacksmith, 16 masons, 6 stone-cutters and 1 sawyer employed on the Periyár Project works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

From Colonel R. C. B. PEMBERTON, R.E., Secretary to the Government of India, Public Works Department (Civil Works—Buildings), to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 18th January 1890, No. 24 B.

I am directed to acknowledge the receipt of your letter, No. 3467 W., dated the 5th December 1889, stating the circumstances under which it is considered that the provisions of rule II of Resolution No. 479 B., of 7th September 1888, should be applied to the buildings at Dowlaishweram which are occupied as residences by the Superintending and Executive Engineers and to the Assistant Engineers' quarters at Chettipett.

2. In reply, I am to say that His Excellency the Governor-General in Council is unable to share the view of the Madras Government that the circumstances explained justify special treatment, and regrets, therefore, his inability to sanction the present proposal.

Order—dated 27th January 1890, No. 262 W., Public Works.

Communicated to the Superintending Engineer, I Circle, in continuation of G.O., No. 3076 W., dated 31st October 1889.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Examiner, Public Works Accounts.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 27th.

Recd. *Encl.*

G.O., 27th Jan. 1890, No. 262 W.

JANUARY.

Residences

Letter from the Government of India declining to sanction the proposal to apply the provisions of rule II of Resolution No. 479 B., of 7th September 1888, to the buildings at Dowlaishweram occupied as — by the Superintending and Executive Engineers and to the Assistant Engineers' quarters at Chettipett, communicated to the Superintending Engineer, I Circle.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From C. KOUGH, Esq., Collector and President, District Board, Kurnool, to the Chief Secretary to Government, Local and Municipal Department, dated Kurnool, 4th December 1889, No. 89.

The head-quarters of Cumbum taluk having been removed from Cumbum, the old taluk cutcherry there has been vacant for the last three years. It has been made over to the custody of the Public Works Department under Board's standing order No. 149, for orders of Government being obtained as to its disposal.

2. I beg to suggest the transfer of the building to the District Board, Kurnool, for its being utilized as a chatram, which Cumbum stands in need of.

No. 1027.

Transferred to the Public Works Department.

FORT ST. GEORGE,
14th December 1889.

(Signed) W. S. MEYER,
Acting Under-Secretary.

No. 5986 C.

Referred to the Superintending Engineer, III Circle, for report.

(Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Col., R.E.,
Ag. Joint Secretary to Government, P.W.D.

21st December 1889.

From Colonel H. SMALLEY, R.E., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 17th January 1890, No. 3088.

Referring to original endorsement No. 5986 C., dated 21st December 1889, I have the honor to report that the old taluk cutcherry at Cumbum is not required by this department; and there is no objection to its transfer to the Local Fund Board, Kurnool.

ORDER—dated 27th January 1890, No. 263 W., Public Works.

The transfer to the District Board of the old taluk cutcherry at Cumbum for use as a chatram is sanctioned.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, III Circle.
,, Examiner, Public Works Accounts.
,, Local and Municipal Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 27th.

Recd. *Encl.*

G.O., 27th Jan. 1890, No. 263 W.

JANUARY.

Old Taluk Cutcherry at Cumbum

The transfer of the —, to the District Board for use as a chatram, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From C. A. STUART, Esq., Officiating Postmaster-General, to the Chief Engineer, Public Works Department, dated Madras, 16th January 1890, No. 28473½/4436.

In continuation of my No. 21858/4436, dated 6th November 1889, I have the honor to inform you that as the Director-General of the Post Office of India has sanctioned the purchase of the land on which the Pundalur Post office building stands, the Superintendent of Post offices, Coimbatore division, was instructed to arrange, in communication with the Executive Engineer of the division, for its purchase at the revenue sale.

2. The former, in his No. 1017, dated 24th December 1889, intimates that the land was purchased, through the Sub-Postmaster, Pundalur, for Rs. 110, on the 20th instant, at the revenue sale, as the Executive Engineer, Ootacamund, intimated that he was precluded by the rules from interfering with the purchase of lands.

3. I beg, therefore, to request that you will be so good as to sanction the transfer of the building to the books of the Public Works Department.

ORDER—dated 27th January 1890, No. 264 W., Public Works.

Communicated in continuation of No. 5245 C., dated 12th November 1889, to the Superintending Engineer, IV Circle, who will take steps to have the building brought on the returns of the Public Works Department.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Postmaster-General.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 27th.

Recd. *Encl.*

G.O., 27th Jan. 1890, No. 264 W.

JANUARY.

Post Office building at Pundalur

The Superintending Engineer, IV Circle, directed to have the — brought on the returns of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Lieut.-Colonel A. C. SMITH, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Tanjore, 14th January 1890, No. 969 T.C.

I have the honor to submit, for sanction, an estimate of Rs. 13,800, for metalling three miles of road No. 4 in the Trichinopoly taluk, together with the letter No. 5, dated 9th instant, from the President, District Board, to your address. From this letter you will observe that the explanation given with regard to the rates is satisfactory.

ORDER—dated 27th January 1890, No. 266 W., Public Works.

The estimate, amounting to Rs. 13,800, for metalling three miles of road No 4, in the Trichinopoly taluk of the same district, is sanctioned.

2. This sanction has been registered as Local No. 40 W. of 1889-90.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
„ Local and Municipal Department, with three enclosures.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 27th.

Recd. *Encl.*

G.O., 27th Jan. 1890, No. 266 W.

JANUARY.

Road, Trichinopoly District

Estimate of Rs.13,800, for metalling three miles of — No. 4 in the Trichinopoly taluk, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers:—

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner, Public Works Accounts), dated Chepâk, 14th December 1889, No. 6085.

I have the honor to forward a special indent, in triplicate, on the Director-General of Stores, India Office, for a cooking stove required for the Officers' Mess in Fort St. George.

Office note from the Examiner, Public Works Accounts, dated Madras, 20th January 1890, No. 268.

The accompanying letter from the Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, No. 6085, dated 14th December 1889, with an indent for English stores for transmission to the Secretary of State, is forwarded for necessary action with the usual certificate.

Certificate.

I certify that funds to meet the estimated outlay in England in connection with this indent during the year 1889-90 have been provided by the Local Government to the extent of £ 28-10-0 in the estimate of the Public Works Department for that year.

(Signed) C. H. P. CHRISTIE, Major, R.E.,
Examiner, Public Works Accounts.

20th January 1890.

Order—dated 27th January 1890, No. 273 W., Public Works.

The indent will be forwarded to the Home Government for compliance.

(Here enter No. 274 W., dated 27th January 1890.)

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Military Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 27th.

Recd. *Encl.*

G.O., 27th Jan. 1890, No. 273 W.

JANUARY.

Cooking Stove

Ordered that the indent for a — for the Officers' Mess, Fort St. George, be forwarded to the Home Government for compliance.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Letter—from

Lieut.-Colonel R. R. E. DRAKE-BROCKMAN, R.E.,
Ag. Joint Secretary to the Government of Madras,
Public Works Department,

To

The DIRECTOR-GENERAL of STORES,
India Office, London.

Sir,

I am directed to forward, for favor of early compliance, an indent * for a cooking stove required for the Officers' Mess, Fort St. George.

* With copy of Proceedings, No. 273 W., dated 27th January 1890.

(Here enter No. 275 W., dated 27th January 1890.)

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

Fort St. George,
27th January 1890.

Endorsement—dated 27th January 1890, No. 275 W., Public Works.

Copy of the above, with copy of the indent, forwarded to the Government of India.

(By Order.)

(Signed) R. R. E. DRAKD-BRCCMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 27th.

Recd. *Encl.*

27th Jan. 1890, Nos. 274, 275 W.

JANUARY.

Cooking Stove

Forwarding copy of indent for a — required for the Officers' Mess, Fort St. George.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Despatch from the Right Honorable Lord CROSS, Her Majesty's Secretary of State for India, to His Excellency the Right Honorable the Governor in Council, Fort St. George, dated India Office, London, 2nd January 1890, No. 2-Financial (Stores).

With reference to the letters noted in the accompanying list, I have to inform your Excellency that I have sanctioned compliance with the indents therewith forwarded.

MADRAS.

Letter from Secretary to Government of Madras, in Public Works Department, dated 16th October 1889, No. 2916 W.

(Stores for Madras Public Works Department.)

Letter from Secretary to Government of Madras, in Public Works Department, dated 21st September 1889, No. 2638 W.

(Stores for Public Works Workshops.)

Letter from Secretary to Government of Madras, in Educational Department, dated 1st October 1889, No. 596.

(Stores for Presidency College, Madras.)

ORDER—dated 29th January 1890, No. 290 W., Public Works.

Communicated to the Superintending Engineer, V Circle, with reference to the undermentioned Proceedings of Government, No. 2637 W., dated 21st September 1889, No. 2915 W., dated 16th October 1889.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Educational Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 29th.

Recd. *Encl.*

G.O., 29th Jan. 1890, No. 290 W.

JANUARY.

Stores

Despatch from the Secretary of State for India communicating sanction to indents for certain — for the Public Works Department, communicated to the Superintending Engineer, V Circle.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

Office note from the Examiner, Public Works Accounts, dated Madras, 20th January 1890, No. 269.

I venture to suggest that the Government of India should be moved to reconsider the resolution communicated in G.O., No. 3451 W., dated 5th December 1889, so far at least as it affects Madras.

2. It might be supposed, from the terms of the orders, that the Government of Madras has not hitherto been allowed any latitude in the matter of the modification of Public Works forms without the sanction of the Government of India; but the facts are quite otherwise.

3. Ever since the Government of Madras, with the knowledge and approval of the Government of India, started its own code, it has assumed and exercised the right of prescribing its own forms, modifying, where it seemed desirable, the forms prescribed by the Government of India, dispensing entirely with some of them, and occasionally substituting forms and procedure entirely different from those laid down by the Government of India, subject of course to compliance with the spirit and essence of the Government of India Code; and this has been done with the full knowledge, and with something more than the tacit approval of the Government of India.

4. It is not only that every standing order and every new form has been communicated to the Government of India when issued, because that might perhaps have been done without attracting real attention to the change made, but it is a fact—and in another connection it is, I think, a very significant fact—that many, if not most, of the changes introduced in Madras have been afterwards adopted by the Government of India; which clearly shows that the Government of India was well aware of what the Government of Madras was doing. Moreover very recently (see Proceedings of the Madras Government, No. 2871 W., dated 14th September 1888) when the procedure in connection with objectionable items was under discussion, the whole of the proceedings and orders of the Government of Madras came quite incidentally under the notice of the Government of India, and that Government never questioned the propriety of the action of the local Government in modifying the procedure and forms without previous reference to them; they simply asked that the forms adopted might be communicated to them, not for approval but for information. I believe I am right in adding that in no single case has the Government of India found it necessary to disapprove of any form or change of forms introduced by the Madras Government.

5. I have suggested above that the action of the Government of India, in adopting many of the changes originally introduced in Madras, is a very significant fact. I believe that, with the exception of those changes based on Madras initiative, there has been little or no modification of the standard forms of the Public Works Department, in which of course I do not include railway forms; that is to say that, for all practical purposes, and excepting only some changes (probably in part due to the initiative of the Civil Department) in the civil exchange and central adjusting account

forms, whatever improvements have been made during the last ten or twelve years have been entirely due to Madras initiative, and would probably never have been made at all if Madras had not had its own code and had not, rightly or wrongly, assumed the latitude which would seem to be the natural complement of a separate code. I may add that, in my opinion, so much of the new procedure in the matter of exchange accounts as affects only the Public Works Department, and is therefore free from the suspicion of being due to the initiative of the Civil Department, is very far from being a success, and is probably as good an example as could be got of the inexpediency of attempting to settle such matters entirely in the office of the Accountant-General, Public Works Department. From para. 53 of Mr. Macdonald's note on the reduction of my office work I observe that the question of simplifying the procedure is now under discussion, and I venture to think that the best plan would be to leave each Examiner to his own devices, subject to subsequent review.

6. It will of course be said that the result shows that, if these same modifications —modifications adopted as the result of Madras initiative—had been submitted for the previous approval of the Government of India, they would have been sanctioned. That is certainly possible: and it may be probable: but, for my own part, I feel pretty certain that, if the previous sanction of the Government of India had been an understood condition of each modification, nothing would ever have been done at all, because no proposals would ever have been made.

7. I do not think anybody will suspect me of shirking trouble when there is any reasonable prospect of a useful result, but I have no hesitation whatever in saying that, if it had been understood that it would be necessary in every case to obtain the previous sanction of the Government of India, nothing would have induced me to take the initiative in such matters as objectionable item forms and procedure, voucher forms, contract forms, the definition of piece-work, the system of payments, and many others in connection with which, not altogether without result, we have been and are trying to work out *in necessary detail* a really practical, effective and workable body of rules and forms. The truth is that, to induce anybody to take the initiative in such things, there must be a reasonable prospect of securing some useful result in a reasonable time and with reasonable trouble. The necessity of a reference to the Government of India not only increases very greatly the trouble of a settlement, but also very seriously retards it. If a thing can be settled locally it is comparatively easy to explain the necessity, because all the circumstances are probably more or less known to all concerned; and if there is any little misunderstanding, or want of understanding, it can be cleared up in five minutes conversation. It is quite another thing to have to explain and justify fully *in correspondence* all the details of a proposed form, or of the proposed modifications of an existing form or procedure, and the difficulty increases enormously as the number of parties to the correspondence increases. Then again, taking into account the probability of requests for further explanation or justification, the chances are that a matter that would be settled locally in a fortnight would take six months to settle if it had to be referred to the Government of India. I venture to think that it is the knowledge of all this that prevents Examiners from initiating proposals for modifications and improvements. I know it would effectually prevent me in nine cases out of ten from doing anything at all.

8. I discussed this question with Colonel Filgate when he was here some two years ago; and I discussed it again with Mr. Macdonald when he was here with the Accounts Committee. I found them both, at starting, much opposed to the local code and freedom, but I believe I led them both to modify their views very considerably. In each case I was at first reminded that it was always open to Examiners to submit proposals for modification of forms, through the local Government, to the Government of India; to which I replied by asking whether, as a matter of experience, either of these officers found that Examiners ever did do this, to any extent worth mentioning; and in each case the answer was that they did not. And for my own part I am firmly convinced that they never will, because, though it may be difficult to prove it, the game is not worth the candle. An Examiner after all is only a human being, and though he may be willing to take a good deal of trouble about some reform that he may reasonably expect to see carried through in his own time, he will not take three or

four times as much trouble on the chance of carrying the thing to a half way stage at which his successor will very likely drop it. If leisure were more abundant it might perhaps be otherwise; but we have to deal with circumstances as they are.

9. It may of course be said that, if proposals for modifications are not more frequently submitted, it is because there is no real occasion for them; but I submit that that position is untenable.

10. In the first place, it is against all reason to suppose that it is possible for a body like the Government of India, completely removed from all direct contact with those who use and are affected by these forms and rules, to lay down *finally* and *in all necessary detail* all the forms and procedure required in connection with the multifarious transactions of this department. If I try—and lately I have had to do a great deal of this sort of thing—if I try to lay down *in all necessary detail* the forms and procedure for some small section of my own office, I discuss the matter probably for weeks with those who are daily and hourly in contact with the work, but, as soon as I attempt working, in accordance with the procedure formulated as the result of such discussion, I am almost certain to find that something has been overlooked, and that some modification, or at any rate some extension or improvement, is required. Therefore I venture to doubt the competence of the Government of India, *who are not at all in contact with the work*, to formulate, with practical finality, a system of forms and procedure completely sufficient and suitable for the needs of the department. I refer of course *only* to forms and procedure, and not to principles: and I lay particular stress on the words "in all necessary detail"—words which I have used several times: I do not for one moment question the propriety, or indeed the necessity, of having the outlines indicated by central authority: I simply dispute the possibility of getting the details filled in as to ensure smooth working, they should be filled in, by anybody who is not in real touch with the work.

10½. If any proof is needed, I would appeal to the experience derivable from the two codes. The present edition of the Madras Code, and the corresponding volumes, I and II, of the Government of India Code, were issued as under:—

Madras Code, issued December 1886, corrected to 31st March 1886.

Government of India Code, volume I, issue uncertain, corrected to January 1886.

Government of India Code, volume II, issue uncertain, corrected to 31st December 1880.

An absolutely correct comparison of standing orders is therefore hardly possible, but for practical purposes, it will be sufficiently correct to compare the numbers issued from 1st January 1886, and if such a comparison errs at all it will be in the direction of understating the relative activity of codification in Madras. From January 1886 then the numbers of standing orders issued have been —

Madras Code	915
Government of India Code, volume I—211, and volume II—57: total	268

The numbers in each case are the numbers actually issued to the department. Now what is the explanation of the very much greater activity of codification in Madras? To some small extent, but only a very small extent, the greater number of the Madras Standing Orders is due to the fact that during the earlier portion of the period under comparison the Government of India adopted a different system of numbering, two or three standing orders sometimes appearing under a single number; but, making every allowance for this, the number of standing orders to the Madras Code has been quite three times the number to the corresponding volume of the Government of India Code. What is the explanation of the difference? Some no doubt will say that it is entirely my fault, but my action in connection with the introduction of standing orders is confined to submitting drafts embodying general orders and decisions by certain specified authorities, in accordance with a code rule which requires that all such orders and decisions shall be codified, and, if I initiate unnecessary proposals, there are two other members of the Code Committee to check me. I suppose that I am personally responsible for the initiation of some 750 of the standing orders of the present code, but I could certainly count on the fingers of one hand the

draft standing orders proposed by me and rejected by the Committee. There must therefore be some other reason for the comparatively larger number of standing orders to the Madras Code, and the reason, I take it, is simply that the deficiencies and impracticabilities of the code do not come under the notice of the Government of India, as they do under the notice of the local Government, because the former are not, as the latter are, through the officers immediately attached to them, in practical contact with the work concerned. Difficulties of course occur elsewhere just as they do here, but they are probably got over as they used at one time to be got over here, almost entirely by that most inconvenient of makeshifts *case-law*, rules and rulings hidden away in old Government Orders, orders that most officers never hear of, and never have an opportunity of seeing, until they are brought to book for infringing the rules contained in them, or as often as not only *implied* in them, for in many such cases it is necessary, every time that the old order is brought out for quotation, to reconstruct the rule or principle involved in it, a process which frequently entails re-perusing a whole file of correspondence on each such occasion; and as often as not when you have found such an old order, put a meaning to it, and quoted it, the person at whom you quote it caps it by another of later date, which you have overlooked because the system (or rather the want of system) makes effective correction of orders impossible.

11. I am now aware—I only came to the knowledge of it a few days ago—that according to the letter of the Government of India Code the Madras Government has never had the power to modify any standard form. The Government of India Code is quite clear upon this point, see volume I, chapter I, para. 1, and chapter VI, para. 30. But the fact remains that, as I have pointed out above, the Madras Government has for years assumed and exercised this power with something more than the tacit consent of the Government of India, and if this power is now to be withdrawn we shall immediately find ourselves involved in serious practical difficulties. As a result of the liberty tacitly allowed hitherto we have a body of forms and rules of procedure differing in many details from those prescribed by the Government of India. I presume that in any case we shall not be required to at once undo what we have already done. But how about the future? There is probably no part of departmental procedure, and no single form, which can be absolutely dissociated from all others and dealt with without any reference to any others; all parts hang more or less together. As a consequence of the numerous resolutions that the Government of India is now issuing, with reference to the recommendations of the Accounts Committee, we shall in due course have prescribed a number of new forms and rules of procedure, or modifications of old ones. By reason of the interdependence of the different parts, many of these are pretty sure to clash more or less with our existing forms and rules. Must we in every such case obtain previous sanction for every trifling modification of the new forms to suit our local conditions? Or failing this, must we undo whatever it may be that makes the modification necessary?

12. Then again are we — that is practically am I — to go on at once with such codification as may seem necessary for giving effect to the series of resolutions now issuing? Or are we to wait for the issue of standing orders to the Government of India Code? It seems to me that it would be waste of time to attempt independent codification, seeing that much of what we do may probably have to be altered when the Government of India standing orders are received.

13. It will perhaps be said that all this is no business of mine, and that my duty is simply to carry out the orders, and not to question their expediency. The orders in question however are only means to an end, and that end is the efficient and economical working of the department, and convinced as I am that the attainment of all that is really essential in the requirements and orders of the Government of India is, in the long run, defeated rather than promoted by insistance on uniformity in non-essentials, such as forms and procedure, I should, I think, be wanting in my duty if I did not draw attention to the probable consequences of the new departure, more especially as it is by no means clear that there has been any deliberate intention on the part of the Government of India to interfere with the existing practice in Madras, a practice which has continued for ten or twelve years or more, without, as I believe,

any occasion having once arisen for the Government of India to veto the action of the Madras Government, whilst, as already pointed out, they have frequently adopted changes initiated in Madras.

14. I could say much more on the subject if necessary, but much of what I have already said, in my office note No. 183 of 15th January 1890, regarding the expediency of leaving the Examiner, at any rate in the present crisis, to settle (subject to *after-control*) the procedure of his own office, is equally applicable to the present case, and it would be waste of time to repeat here what I have said there.

15. In conclusion, I venture to hope that measures may be taken to get the question settled at an early date, because, pending its settlement, it seems useless to attempt action on the many resolutions issued, and still issuing, on the recommendations of the Accounts Committee. It seems useless, *because codification is practically impossible until the question is settled, and because the issue of the resolutions to the department prior to codification, or in any other shape than that of perfected standing orders, must I submit result in unutterable confusion.* With reference to the latter part of my last sentence, I would ask you to consider, for instance, Government of India Circular No. 37, regarding "Forms for making payments": and by way of making the situation as simple as possible, I would ask you to imagine that we are now working, not under the Madras Code, but under the Government of India Code. Now, even on that supposition, it seems to me clear that to issue the resolution to the department, "for information and guidance," can only produce the utmost confusion: for such action would mean that every officer and subordinate in the department, whether in the Executive branch or in the Accounts and Audit branch, would have to work out for himself, from the Committee's recommendations and from the orders of the Government of India, the precise effect of the latter (orders of the Government of India) and then to correct his code, either actually or in imagination, and to modify his procedure accordingly. As a matter of fact however, we are not now working under the Government of India Code: we are working under the Madras Code, under rules and with forms which, though their general effect is practically the same as that of the rules and forms of the Government of India *quoad* the essential requirements of the Government of India, yet differ from the latter in numberless little details — details which, I may observe, it would be very difficult indeed to specify completely — which, even if the reference to the forms numbers and code paragraphs of a foreign form book and code were intelligible to Madras officers, must as regards many details make it exceedingly difficult, if not quite impossible, for any Madras officer to appreciate accurately either the meaning of the Committee, or the effect of the orders of the Government of India.

ORDER—dated 29th January 1890, No. 302 W., Public Works.

Ordered that the Government of India be addressed.

(Here enter No. 303 W., dated 29th January 1890.)

(True Extract)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 29th.

Recd. *Encl.*

G.O., 29th Jan. 1890, No. 302 W.

JANUARY.

Public Works Forms

Ordered that the Government of India be addressed as to whether the latitude hitherto allowed this Government in the matter of prescribing — suited to local requirements can no longer be exercised.

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

Lt.-Col. R. R. E. DRAKE-BROCKMAN, R.E.,
Ag. Joint Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

With reference to Government of India Circular No. 33, Public Works, dated 20th November 1889, I am directed to forward the accompanying copy of a note from the Examiner, Public Works Accounts, and to inquire whether the latitude hitherto allowed this Government in the matter of prescribing forms suited to local requirements can no longer be exercised.

2. I am to say that this Government does not consider the circular in question to be absolutely binding on it, but if such be the intention of the Government of India, I am directed to state that His Excellency the Governor in Council entirely concurs in the views expressed by the Examiner, and is convinced that the utmost confusion will result if the numerous forms which now accompany and agree with the provisions of the Madras Public Works Code are to be regarded as cancelled, in every case in which they do not absolutely conform to Government of India forms.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secretary to Govt., P.W.D.

FORT ST. GEORGE,
29th January 1890.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 29th.

Recd. *Encl.*

29th Jan. 1890, No. 303 W.

JANUARY.

Public Works Forms

Inquiring whether the latitude hitherto allowed this Government in the matter of prescribing forms suited to local requirements can no longer be exercised.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From the Superintending Engineer, VI Circle, dated 25th January 1890, No. 2313 T.J.

ORDER—dated 3t0h January 1890, No. 311 W., Public Works.

The sum of Rs. 3,350 surrendered by the Superintending Engineer, VI Circle, as shown below, is resumed and credited to the Provincial reserve with the Government:—

	RS.
Tahsildar's office at Srívaikuntham	2,000
Tools and plant, Tanjore division	350
Cutting a rough trace from Kodaikánal to Pillar Rocks	1,000
Total ...	3,350

2. The following allotments are made from the Provincial reserve with the Government:—

	RS.
Sub-jail in St. Joseph's College buildings at Negapatam	1,000
Civil Buildings, Minor Works, Negapatam division	300
Civil Buildings, Minor Works, Tanjore division	300
Tools and plant, Tinnevelly division	50
Total ...	1,650

3. A sum of Rs. 150 is transferred from the Tanjore to the Trichinopoly division under Imperial Military, Repairs.

4. The Government regrets that funds are not available to provide the allotments applied for by the Superintending Engineer under Postal and Telegraph Repairs.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
„ Examiner, Public Works Accounts.
„ Revenue Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 30th.

Recd. *Encl.*

G.O., 30th Jan. 1890, No. 311 W.

JANUARY.

Allotments

Sanctioning modification of certain — in the VI Circle.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From the Superintending Engineer, IV Circle, dated 24th January 1890, No. 22 E.W.

ORDER—dated 30th January 1890, No. 312 W., Public Works.

The following sums surrendered by the Superintending Engineer, IV Circle, are resumed and credited to the Provincial reserve with the Government:—

	RS.
1. Additions and improvements to Government House, Ootacamund	1,700
2. Providing accommodation for the Court of the Subordinate Judge at Ootacamund	62
3. Repairs to Mount Stuart property at Ootacamund	71
4. Improving the Accounts Branch of the Collector's office at Coimbatore	1,000
5. Collector's office at Calicut	9,000
6. Sub-Registrar's office at Kondotti	1,500
7. Law Courts at Calicut	150
8. Miscellaneous Public Improvements, Minor Works, Nílgiri Division	70
9. Tools and Plant, West Coast Division	200
Total ...	13,753

2. The following appropriations are made from the Provincial reserve:—

	RS.
1. Tahsildar's office at Coondapoor	1,000
2. Improvements to the second and third blocks of the Collector's office at Mangalore	1,000
3. Sub-Judge's and District Munsif's Court at Pálghat ...	10,000
4. Goods shed attached to the Sea Customs House at Calicut ...	4,000
5. Sub-Judge's Court at Tellicherry	2,000
6. Constructing cooly lines at Tagarapady	774
7. Civil Buildings, Repairs, Nílgiri Division	1,254
8. Communications, Repairs, do.	9,814
9. Miscellaneous Public Improvements, Minor Works, Nílgiri Division	1,460
10. Repairing St. Thomas' Church, Ootacamund	770
Total ...	32,072

3. As there appears to be no urgency for the undermentioned works, funds have not been provided for them:—

(1) Improving the out-houses of Cinchona Villa, Ootacamund.
(2) Constructing porches and providing sky-lights to Mount Stuart buildings, Ootacamund.

4. As funds are not at present available with the Government, the question of providing Rs. 25,000 for the Vayitri-Gúdalúr road will be considered later in the year.

5. A sum of Rs. 4,475 has already been provided for the Nílgiri division under Tools and Plant in G.O., No. 277 W., dated 27th January 1890.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 30th.

Recd. *Encl.*

G.O., 30th Jan. 1890, No. 312 W.

JANUARY.

Surrenders and Demands.

Orders on statement of —, IV Circle, under "Imperial," "Provincial" and "Excluded Local Funds."

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper :—

From G. H. D. WALKER, Esq., Under-Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 17th January 1890, No. 131 G.

With reference to Public Works Department Resolution No. 2, Railway, of 10th October 1888, I am directed to inquire whether any young Cooper's Hill Engineer, not above the rank of 2nd-grade Assistant, is desirous of joining the Superior Revenue Establishment, Traffic Department of State Railways, under the terms of Resolution No. 2 R., dated 10th October 1888, para. 2.

2. On appointment to the Traffic Department he would be on probation for one year on the pay of his grade in the Engineering Department, and after that period, if qualified under the terms of para. 2 of the above resolution, would be absorbed into one of the Cadres of the Traffic Department on a vacancy occurring.

Order—dated 31st January 1890, No. 315 W., Public Works.

Communicated to Superintending Engineers concerned for report whether any of the Assistant Engineers named in the margin elect for transfer to the State Railway Department on the terms stated by the Government of India.

Mr. A. C. Pereira.	Mr. M. Loane.
,, L. L. Wickham.	,, H. T. Keeling.
,, T. W. S. Smyth.	,, C. Mildred.

2. Inquiry will be made in the Railway branch with respect to the Cooper's Hill Engineers employed in that branch.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer, Periyár Project,
,, Superintending Engineers, I, II, and VI Circles, } with copy of Government of India Circular No. 2 R., dated 10th October 1888.

To the Public Works Department, Railway Branch.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 31st.

Recd. *Encl.*

G.O., 31st Jan. 1890, No. 315 W.

JANUARY.

Superior Revenue Establishment, Traffic Department of State Railways

Letter from the Government of India inquiring whether any young Cooper's Hill Engineer, not above the rank of 2nd-grade Assistant, is desirous of joining the — , communicated to the Superintending Engineers concerned and to the Railway Branch.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From M.R.Ry. V. KRISHNAMA CHARRIAR, Joint Secretary, Victoria Hospital, to the Chief Engineer, Public Works Department, dated Madras, 20th January 1890.

Referring to G.O., No. 3354 P.W., dated 26th November 1889, para. 2, I have the honor to forward the accompanying plans and estimates for the Lady Superintendent's quarters and additional works connected with the Victoria Hospital for Caste and Gosha Women, as revised by the Consulting Architect to Government and approved of by the Hospital Committee, and request that the sanction of Government may be obtained and the work carried out as expeditiously as practicable.

Order—dated 31st January 1890, No. 326 W., Public Works.

The estimate, amounting to Rs. 26,396, for constructing quarters for the Lady Superintendent and out-buildings required in connection with the Victoria Hospital at Chepâk is sanctioned in supersession of the estimate of Rs. 8,744 sanctioned in G.O., No. 3354 W., dated 26th November 1889.

2. The total sanction for the hospital will now stand at Rs. 89,550 as shown below :—

	RS.
Estimate sanctioned in G.O., No. 2423 W., dated 9th August 1888.	63,154
Estimate now sanctioned	26,396
Total ...	89,550

3. Arrangements should be made to carry out the work as expeditiously as possible.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with five enclosures.
" Examiner, Public Works Accounts.
" Joint Secretary, Victoria Hospital Committee.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 31st.

Recd. *Encl.*

G.O., 31st Jan. 1890, No. 326 W.

JANUARY.

Victoria Hospital

Estimate, amounting to Rs. 26,396, for constructing quarters for the Lady Superintendent and out-buildings for the —, sanctioned in supersession of estimate previously sanctioned for the out-buildings.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

TABULAR STATEMENT OF MISCELLANEOUS PROCEEDINGS AND MATTERS OF ROUTINE,

BUILDINGS AND ROADS,

FOR THE MONTH OF JANUARY 1890.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Colonel Vibart, R.E.—Orders on appeal of — (confidential.)	6th Jan. 1890, No. 6 W.	......
Letter to the Government of India on the above.	6th do. do. No. 7 W.	......
Standing Orders.—Authorising the Examiner, Public Works Accounts, to reprint certain —.	6th do. do. No. 12 W.	......
Quarters hired for Sub-Conductor Moorehead, Bellary.—Rent for —, sanctioned.	6th do. do. No. 13 W.	4th Nov. 1889, No. 3132 W. 30th Oct. 1888, No. 3448 W. 8th May 1888, No. 1363 W. 10th Nov. 1887, No. 3014 W. 17th Aug. 1887, No. 2217 W.
Sub-Divisional and Divisional Cash-books.—Draft standing orders to the Public Works Code and book of forms based on Government of India circular in regard to —, approved.	6th do. do. No. 14 W.	28th Oct. 1889, No. 3033 W.
Taluk Office at Kúdligi.—Explanation of Superintending Engineer, III Circle, of cause of surrender of Rs. 7,226 from the grant for —, recorded.	6th do. do. No. 15 W.	29th Nov. 1889, No. 3400 W.
Lieut.-Colonel A. C. Smith, R.E., Superintending Engineer, VI Circle.—Orders declining to permit — to exchange circles with Major Campbell.	6th do. do. No. 16 W.	......
Rents of Buildings.—Rule 1 (7) of Code para. 1041 regarding calculation of — occupied as residences, cancelled.	6th do. do. No. 17 W.	31st Oct. 1889, Nos. 3076-77 W. 26th July 1889, Nos. 2019-20 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued.*) 30th Jan. 1889, No. 248 W. 22nd Sept. 1888, No. 2981 W.
Captain Love, R.E.—Orders in the Educational Department regarding — proceeding to England to join the School of Military Engineering at Chatham, recorded.	6th Jan. 1890, No. 18 W.	20th Nov. 1889, No. 5395 C. 9th Dec. 1889, No. 5762 C. 6th Nov. 1889, No. 3360 W.
Christ Church in Trichinopoly Fort.—Letter from Superintending Engineer, VI Circle, intimating having sanctioned an estimate for the repair of —, recorded.	6th do. do. No. 19 W.	4th Dec. 1889, No. 3449 W. 22nd April 1882, No. 995 W. 20th April 1882, No. 974 W.
Cement.—Proceedings in the Marine Department forwarding to the Chairman, Harbour Trust Board, copy of memorandum on reburnt —, recorded.	6th do. do. No. 20 W.	14th Dec. 1889, No. 5860 C. 16th Nov. 1889, No. 3252 W. 16th Sept. 1885, No. 2168 W.
Schedule of works appertaining to the Commissariat Department which have been carried out during the current year from grants placed at the disposal of General Officers Commanding Districts for minor works, recorded.	6th do. do. No. 21 W.	......
Well in the Cantonment of Trichinopoly.—Proceedings in the Revenue Department returning certain correspondence relating to the —, recorded.	6th do. do. No. 22 W.	18th Oct. 1889, No. 2938 W. 10th Oct. 1889, No. 4572 C. 17th Sept. 1889, No. 4134 C. 30th Aug. 1889, No. 963 R.
Engine for Madras Harbour Works.—Telegram from the Secretary of State stating that the — was despatched on the 5th December by the *Clan Mackenzie*, communicated to Chairman, Harbour Trust Board.	6th do. do. No. 23 W.	21st Dec. 1889, No. 5981 C. 21st Dec. 1889, No. 3652 W.
Draftsman Subbaroya Mudaliar.—Orders directing — to be absorbed in the vacancy in the Presidency Division office.	7th do. do. No. 24 W.	4th June 1889, No. 1471 W. 25th Sept. 1888, No. 3005 W. 31st Jan. 1888, No. 358 W. 8th Dec 1887, No. 3366 W. 12th Nov. 1887, No. 3057 W.
Rate list of permanent-way materials, Class D.—Circular from the Director-General of Railways forwarding —, communicated to Superintending Engineers.	7th do. do. No. 25 W.	17th Dec. 1889, No. 3582 W.
Stores.—Proceedings in the Marine Department amending rules for the shipping and landing of Government —, communicated to officers of the department.	7th do. do. No. 26 W.	14th Oct. 1889, No. 2876 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Occupation of Government Quarters by Native Sub-Divisional Officers.—Concurring in the views of the Superintending Engineer, VI Circle, that — should be compulsory.	7th Jan. 1890, No. 27 W.	6th June 1889, No. 1493 W. 24th Mar. 1886, No. 795 W. 9th Mar. 1886, No. 632 W. 2nd Feb. 1886, No. 2889 W. 23rd April 1885, No. 960 W. 13th Mar. 1888, No. 616 C.
Post Office at Kávali.—Superintending Engineer, II Circle, informed that no funds are available for repairing the —.	7th do. do. No. 28 W.	......
Income-tax.—Proceedings in the Political Depart-letter ment transferring to the Revenue Department from Chief Engineer, Periyár Project, regarding exemption from — of officers and subordinates whose head-quarters are at Travancore, recorded.	7th do. do. No 29 W.	10th Dec. 1889, No. 5794 C. 26th Nov. 1889, No. 3356 W. 14th Nov. 1889, No. 1263 R.
Land and Kiln Accounts.—Continuance of the — in connection with the manufacture of lime at Vadeswaram in the Kistna Western Division, sanctioned.	7th do. do. No. 37 W.	1st July 1889, No. 1733 W. 17th Aug. 1888, No. 2523 W.
Refund of house-rent to Sub-Registrar of Vayitri.—Proceedings in the Judicial Department directing — for the period he was on privilege leave, communicated to Superintending Engineer, IV Circle.	7th do. do. No. 38 W.	......
Kumbakónam College.—Proceedings in the Educational Department intimating that additional accommodation for instruction in Science in the — will not be required, recorded.	7th do. do. No. 39 W.	12th Nov. 1889, No. 5224 C. 28th Nov. 1889, No. 5585 C. 2nd Nov. 1888, No. 3484 W. 11th Sept. 1884, No. 2226 W.
Blankets for certain Lascars of the Coimbatore Division.—Purchase of 3 —, sanctioned.	7th do. do. No. 40 W.	......
Pay of Clerk Ramachendra Row during transit from Ramnad division to No. 1 Periyar Division, sanctioned.	7th do. do. No. 41 W.	25th Nov. 1889, No. 3347 W. 20th Sept. 1889, No. 2608 W.
Messengers and Peons in the West Coast Division.—Considering that no case has been made out for increasing the pay and providing warm clothing for —.	7th do. do. No. 42 W.	......
Building for the Arsenal Workshops, Bellary.—Proceedings in the Military Department communicating letters from the Inspector-General of Ordnance and Quarter Master General nominating Colonel Brereton and the Officer Commanding Bellary to sit on the committee in connection with the —, communicated to Superintending Engineer, III Circle.	8th do. do. No. 45 W.	4th Dec. 1889, No. 3442 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Portland Cement.—Local purchase of ten barrels of — required for the Nílgiri Division, sanctioned.	8th Jan. 1890, No. 46 W.	22nd Nov. 1889, No. 5460 C. 1st Sept. 1888, No. 2717 W.
Samuel Pillay.—Appointment of — as Irrigation Superintendent on the Kurnool Canal on Rs. 65 per mensem, sanctioned.	9th do. do. No. 48 W.	13th May 1889, No. 2321 C. 1st June 1889, No. 1451 W.
Latrines for the 17th Regiment, Native Infantry, at Trichinopoly.—Plan and estimate for —, returned to the Superintending Engineer, VI Circle, for sanction and execution.	9th do. do. No. 49 W.	5th Dec. 1889, No. 5697 C. 2nd Oct. 1889, No. 2763 W. 10th Aug. 1889, Nos. 2155-56 W. 1st May 1889, No. 1159 W. 25th Mar. 1889, No. 884 W. 1st Mar. 1889, No. 605 W. 25th Jan. 1889, No. 197 W. 15th Jan. 1889, No. 93 W. 7th Feb. 1888, No. 433 W. 26th Nov. 1888, No. 3722 W. 21st Dec. 1888, No. 3997 W. 8th Aug. 1885, No. 1842 W. 19th Dec. 1885, No. 3068 W.
Chinnappa Mudali, temporary Draftsman.—Statement of — as regards his age, accepted.	9th do. do. No. 50 W.	12th Mar. 1889, No. 743 W.
Office of A. Sub-Division, No. II Periyár Division.—Renting of a house at Sholavandan, sanctioned.	9th do. do. No. 51 W.	26th July 1889, No. 2014 W.
Renewing floor of No. II Magazine in the Fort at Bellary.—Report of the work of — having been included in the list of minor works for execution in 1890-91 through oversight, recorded.	9th do. do. No. 55 W.	30th Sept. 1889, No. 2730 W.
Dr. Moore's Manual of Family Medicine.—Statement showing distribution of copies of —, forwarded to the Government of India.	9th do. do. No. 56 W.	......
Re-appropriation of budget credits.—Telegram from the Government of India sanctioning certain —, communicated to officers concerned.	9th do. do. No. 57 W.	12th Dec. 1889, No. 3549 W.
Re-appropriation of budget credits.—Sanction of the Government of India to certain —, recorded.	9th do. do. No. 58 W.	......
Correspondence with certain Officials.—Circular from the Government of India communicating despatch from the Secretary of State regarding —, communicated to officers of the department.	9th do. do. No. 59 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Connection of Secretariat Officers with the Press.—Proceedings in the Public Department communicating Resolution of the Government of India regarding —, communicated to the officers concerned.	9th Jan. 1890, No. 60 W.	5th Nov. 1889, No. 3143 W.
Kailasum Pillay, Clerk.—Pay of — during his transit from No. II to No. I Periyár Division, sanctioned.	10th do. do. No. 62 W.	......
Notes of inspection of the office of the Executive Engineer, Presidency Division, communicated to the Superintending Engineer, V Circle, for report on certain points.	10th do. do. No. 63 W.	......
Stores.—Proceedings in the Financial Department communicating orders of the Government of India regarding substitution of Indian for imported —, communicated to officers of the department.	10th do. do. No. 64 W.	22nd Nov. 1889, No. 3329 W.
Funds.—Certain transfers of —, sanctioned ...	10th do. do. No. 65 W.	......
Postmaster's Quarters at Jalárpet.—Allotment of funds for repair of —.	10th do. do. No. 66 W.	......
Mr. P. Pereira, temporary Overseer.—Proceedings in the Local and Municipal Department communicating letter from the Local Fund Engineer, Nílgiris, stating that — had no lien on his appointment, communicated to Superintending Engineer, I Circle.	10th do. do. No. 67 W.	17th Aug. 1886, No. 2814 C. 23rd July 1886, No. 2565 C. 9th June 1887, No. 1937 C. 4th Oct. 1888, No. 3102 W. 9th June 1888, No. 2170 C. 22nd May 1888, No. 1967 C. 17th May 1888, No. 1461 W. 8th May 1888, No. 1811 C. 6th Nov. 1889, No. 5118 C.
Draft Standing Orders.—Relating to the College of Engineering, approved with remarks.	11th do. do. No. 69 W.	12th Nov. 1889, No. 5233 C. 1st Nov. 1889, No. 3099 W. 5th Sept. 1889, No. 3958 C. 7th Nov. 1889, No. 1116 C.
Site of the Lake Brickfields at Ootacamund.—Orders stating that there is no objection to the transfer of the — to the Municipal Council if the project for carrying off the night-soil be approved by Government.	11th do. do. No. 70 W.	28th Nov. 1889, No. 5571 C. 25th Oct. 1889, No. 3025 W. 5th Oct. 1889, No. 4492 C. 6th Oct. 1888, No. 3142 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Madras Railway Guide.—Cost of copy of — purchased by the Executive Engineer, West Coast Division, ordered to be admitted.	11th Jan. 1890, No. 75 W.	21st Feb. 1889, No. 536 W. 31st Dec. 1889, No. 3670 W.
Cannanore Light-house.—The Financial Department requested to provide the balance Rs. 70 of the estimate for repairing the — which has increased from Rs. 114 to Rs. 164.	11th do. do. No. 76 W.	16th Nov. 1889, No. 3249 W.
Infantry Barracks at Ranipet.—Proceedings, Military Department, approving the transfer of certain buildings of the — to the Public Works Department, communicated to the Superintending Engineer, V Circle.	11th do. do. No. 77 W.	......
Transfer of Funds, VI Circle.—Sanctioning certain —	11th do. do. No. 78 W.	18th Dec. 1889, No. 358 W. 5th Oct. 1889, No. 2781 W. 29th June 1888, No. 1955 W. 8th Jan. 1889, No. 24 W. 5th Nov. 1888, No. 3513 W. 7th May 1888, No. 1333 W. 25th May 1889, No. 1428 W.
English Stores.—The purchase of certain — in the local market for the Kistna Eastern Division, sanctioned.	11th do. do. No. 79 W.	27th June 1889, No. 1705 W. 2nd July 1886, No. 1679 W. 25th Jan. 1886, No. 202 W.
Temporary Clerks for the Ganjam Division.—Entertainment of two —, till the end of the current official year, sanctioned.	11th do. do. No. 80 W.	......
Conveyance of families of a deceased Non-Commissioned Officer or Soldier in the Department to the nearest Military Head-quarter Station.—Orders on question raised by Colonel Fraser, R.E., regarding the grant of charges for —.	11th do. do. No. 81 W.	31st Oct. 1889, No. 3070 W. 19th Sept. 1889, No. 2581 W.
Telegraph Buildings at Ootacamund.—Estimate of Rs. 200 for repairs to the —, forwarded to the Superintending Engineer, IV Circle, for sanction.	11th do. do. No. 82 W.	......
Regimental Institutes.—Letter from the Government of India acknowledging Government Order approving proposals for utilising a portion of the grant of Rs. 20,000 provided for — and waiting receipt of certain statement, communicated to the Military Department.	11th do. do. No. 83 W.	......
Ordnance Lines, Madras.—Orders on telegram from the Director-General of Ordnance communicating sanction to certain transfer of funds on account of the work of renewing roofs of —.	11th do. do. No. 84 W.	14th Dec. 1889, No. 3578 W. 12th Nov. 1889, No. 3220 W. 20th Nov. 1889, No. 3294 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Copy to Government of India	14th Jan. 1890. No. 85 W.	......
Sub-Conductor H. Webb, Inspector, 2nd Grade.—An advance of Rs. 100 to —, sanctioned as a special case.	14th do. do. No. 86 W.	6th Jan. 1890, No. 29 C.
Reprinting of papers for the Editor's table.—Proceedings, Financial Department, regarding the —, recorded.	14th do. do. No. 93 W.	19th Aug. 1889, No. 711 D. 6th Aug. 1889, No. 3557 C.
Bi-monthly return of stores.—Under provision by the Director-General of Stores for India up to 30th November 1889, communicated to the Chairman, Harbour Trust Board.	14th do. do. No. 96 W.	2nd Nov. 1889, No. 3118 W.
N. Ramasawmy Pillay, late Overseer, Public Works Department.—Petition from — requesting to be granted a higher rate of pension by condoning a break in his service, recorded.	14th do. do. No. 97 W.	2nd July 1889, No. 1741 W. 6th April 1889, No. 1786 C.
Promissory note lost in the Nilgiri Division.—Correspondence on the subject of the — and the action taken by the Superintending Engineer, IV Circle, on G. O., 2077 W., 1st August 1889, recorded.	14th do. do. No. 98 W.	21st Dec. 1889, No. 5965 C. 7th Nov. 1889, No. 5172 C. 1st Aug. 1889, No. 2077 W. 27th June 1889, No. 1690 W. 27th May 1889, No. 227 D. 16th May 1889, No. 185 D. 26th Dec. 1888, No. 5170 C.
District Jail at Cuddapah.—Rs. 15,000 surrendered from the grant for the —, resumed and credited to the Provincial Reserve with the Government.	14th do. do. No. 99 W.	10th Dec. 1889, No. 3515 W. 13th Dec. 1889, No. 5850 C. 13th Mar. 1889, No. 750 W. 25th Jan. 1889, No. 211 W. 28th Nov. 1889, No. 3750 W. 2nd July 1888, No. 1968 W. 3rd Dec. 1885, No. 2883 W. 11th May 1885, No. 1106 W.
Rate list of station materials and fencing, Class F.—Circular from the Director-General of Railways forwarding —, communicated to officers of the Public Works Department.	15th do. do. No. 100 W.	17th Dec. 1889, No. 3582 W.
Rules for the protection of Native Infantry Lines.—Communicating to Superintending Engineers —, and requesting them to arrange for the periodical inspection of the lines belonging to Government.	15th do. do. No. 103 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Deviation Statements.—Draft Standing Order to the Public Works Code prescribing the submission of — by Executive Engineers to Superintending Engineers in future —, approved.	15th Jan. 1890, No. 104 W.	24th Oct. 1889, No. 3009 W.
Unclaimed sums.—Sanctioning to credit to Provincial revenue certain amounts remaining unclaimed in the Nellore Division.	15th do. do. No. 105 W.	6th Dec. 1889, No. 517 C.
Sub-Registry Offices in the Coimbatore District.—The Superintending Engineer, IV Circle, requested to submit the requisite estimates for — at Gúdalúr, Ganapati, Kodimadi and Mettupálaiyam.	15th do. do. No. 106 W.	......
Additional barrack accommodation at Wellington.—Letter from the Government of India declining to sanction a special grant this year for the —, but stating that a considerable appropriation will be made for it in the budget estimate for 1890-91, communicated to the Superintending Engineer, IV Circle, and to the Military Department.	15th do. do. No. 107 W.	1st Nov. 1889, Nos. 3080-81 W.
Percentage allowed for repairs of buildings.—Stating that in calculating the capital cost and rent of new buildings, the minimum allowance for repairs must be taken at 3 per cent. on the cost of the bulildings for "Works" and "Tools and Plant."	15th do. do. No. 108 W.	2nd April 1889, No. 1693 C. 30th July 1889, No. 3438 C. 25th Mar. 1889, No. 886 W. 5th Jan. 1888, No. 18 W. 22nd Sept. 1888, No. 2981 W. 27th Nov. 1888, No. 3741 W. 20th Aug. 1884, No. 2040 C. 21st July 1887, No. 2440 C. 16th Nov. 1888, No. 4030 C.
Cooking Store for Officer's Mess in Fort St. George.—Orders on office note from the Examiner requesting information regarding the provision of funds for the indent on the Director-General of Stores, India Office, for a —.	15th do. do. No. 109 W.	2nd Jan. 1890, No. 2 C.
Copy of the above, forwarded to the Government of India, Military Department, for information.	15th do. do. No. 110 W.	......
Mr. Irwin, Consulting Architect to Government.—Letter from the Government of India stating that — should get temporary and sub. *pro tem.* promotions with his contemporaries, communicated to the Examiner, Public Works Accounts.	16th do. do. No. 111 W.	18th Nov. 1889, No. 3266 W. 26th April 1889, Nos. 1120-21 W. 22nd May 1886, No. 1296 W.
Chowky at Ilangy, Tenkasi Taluk.—The sale of the — to the District Board for Rs. 375, sanctioned.	16th do. do. No. 112 W.	......
Mr. Samuel Neal, Anicut Superintendent, Kurnool Canal.—The exemption of — from the Middle School examination, communicated to the Superintending Engineer, III Circle.	16th do. do. No. 113 W.	9th Dec. 1889, No. 5759 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Sub-Registrar's office at Musiri, Trichinopoly District.—The Superintending Engineer, VI Circle, directed to submit the requisite estimate for constructing a — on the standard plan.	16th Jan. 1890, No. 114 W.	......
Unclaimed sums.—The crediting of Rs. 1-3-0 to Provincial Revenue in the Ganjam division, sanctioned.	16th do. do. No. 115 W.	......
Transfer of funds.—Sanctioning certain —. ...	16th do. do. No. 116 W.	......
Modification of allotments.—Sanctioning certain — in the VI Circle.	16th do. do. No. 117 W.	10th Oct. 1889, No. 2821 W. 18th April 1885, No. 921 W.
Mr. C. Lawrence, Temporary Overseer, III Circle.—The grant of an advance of one month's pay to —, sanctioned.	16th do. do. No. 118 W.	7th Jan. 1890, No. 41 C. 17th Dec. 1889, No. 5884 C. 11th Dec. 1889, No. 5814 C. 25th Nov. 1889, No. 5486 C. 23rd Jan. 1888, No. 281 C. 12th Jan. 1886, No. 107 W. 30th April 1885, No. 851 C.
List of Officers proceeded to England with Last Pay Certificates.—Ordered that the blank — for quarter ending 31st December 1889 be forwarded to the Home Government.	16th do. do. No. 119 W.	......
Forwarded	16th do. do. No. 120 W.	......
P. Kolundasawmy Naidu.—Petition from — requesting a reply to his former petition appealing against his dismissal.	16th do do. No. 122 W.	25th Nov. 1889, No. 3349 W.
Peer Saib, late Lascar, Godávari Western Division.—Proceedings, Pension Department, granting an invalid pension of Rs. 3 to —, recorded.	16th do. do. No. 123 W.	......
Mr. E. Deschamp.—Informing — that Government does not desire to purchase his premises on the Mount Road.	16th do. do. No. 124 W.	......
Statement of objectionable items.—Orders on Provincial —, IV Circle, for quarter ending 30th September 1889.	16th do. do. No. 127 W.	7th Nov. 1889, No. 3159 W. 27th Nov. 1889, No. 3370 W. 29th Aug. 1889, No. 2387 W. 29th Nov. 1889, No. 3402 W.
Canal and Ferry Fund.—Passing orders on Proceedings, Revenue Department, communicating resolution of the Board of Revenue regarding the utilisation of the balance of — at the end of 1889-90.	16th do. do. No. 128 W.	18th Nov. 1889, No. 3399 W. 30th July 1889, No. 2049 W. 24th Feb. 1887, No. 563 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued.*) 19th Feb. 1887, No. 505 W. 15th June 1887, No. 1615 W. 30th Mar. 1885, No. 336 I. 1st July 1884, No. 621 I.
Light-house charges for 1888-89.—Proceedings, Marine Department, recording revised statement of — forwarded by the Port Officer, communicated to Superintending Engineers concerned.	16th Jan. 1890, No. 129 W.	14th Sept. 1889, No. 2453 W.
Collector's house at Chatrapur, Ganjam District.—The proposal of the Superintending Engineer to dismantle the building and sell the materials is sanctioned.	16th do. do. No. 131 W.	20th Nov. 1889, No. 5407 C. 5th June 1889, No. 1481 W. 16th April 1889, No. 67 D. 13th Sept. 1888, No. 2851 W. 2nd June 1888, No. 1606 W. 29th Aug. 1889, No. 2387 W.
Mr. J. A. Potgeiter, Storekeeper, Ganjam Division.—The retention in the service of— for the calendar year 1889 is sanctioned.	16th do. do. No. 132 W.	7th Nov. 1889, No. 5140 C. 11th Sept. 1889, No. 4039 C. 14th June 1889, No. 1574 W. 6th July 1889, No. 3102 C. 3rd April 1889, No. 1715 C. 8th Dec. 1888, No. 3850 W.
Temporary buildings at Dumagudem.—The occupation of one of the two — by the Lock Superintendent free of rent and the other by the lascar at a rent of As. 4 per month, sanctioned.	16th do. do. No. 133 W.	25th June 1889, No. 1668 W. 8th Mar. 1889, No. 686 W. 22nd Sept. 1888, No. 2781 W.
Barrack accommodation in Fort St. George.—The Government of India informed relative to — that the conversion of the main guard and adjacent officers' quarters into barracks for singlemen will be unnecessary.	16th do. do. No. 134 W.	30th Sept. 1889, No. 2733 W. 6th Jan. 1890, No. 5 W.
D. Tiruvengalam Naidu, Clerk, Koraput Sub-division.—The employment of — above the age of 25 years, sanctioned.	17th do. do. No. 136 W.	16th Nov. 1888, No. 3633 W. 15th June 1887, Nos. 1620 W.
Stores received from England and purchased in India for the Public Works Stores Division in October 1889.—Estimate of Rs. 6,048 being the value of —, sanctioned.	17th do. do. No. 137 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Gazette of India.—Proceedings, Financial Department, passing orders regarding the curtailment of the supply of the entire copy of the —, communicated to officers of the Public Works Department concerned for report whether the whole or any portion of the supply may be discontinued.	18th Jan. 1890, No. 138 W.	26th Nov. 1889, No. 5505 C.
Skittle Alleys for the British Infantry and Royal Artillery at Bellary.—The estimates for — returned to the Superintending Engineer, III Circle, for sanction.	18th do. do. No. 139 W.	......
Mr. J. W. Brassington, late Consulting Architect to Government.—Letter from the Government of India stating that the additional pension of Rs. 1,000 is inadmissible to — as he was not graded as a Superintending Engineer, communicated to Mr. Brassington.	18th do. do. No. 140 W.	11th Dec. 1889, Nos. 3529-30 W. 30th Sept. 1889, No. 4361 C. 26th Sept. 1889, No. 4310 C. 9th July 1881, No. 1697 W. 14th July 1881, No. 1729 W. 2nd Dec. 1880, No. 2781 W. 1st Oct. 1880, No. 2277 W.
Mr. J. Grimes, Executive Engineer.—Ordered that the memorial of — for certain concessions be forwarded to the Government of India.	18th do. do. No. 141 W.	7th Dec. 1889, No. 3492 W. 21st Oct. 1889, No. 2987 W. 21st Oct. 1889, No. 4813 C. 4th Oct. 1889, No. 2774 W. 6th July 1889, Nos. 1797-98 W. 26th July 1889, No. 2015 W. 6th May 1889, No. 1193 W. 16th July 1888, Nos. 2149-50 W. 14th May 1888, Nos. 1407-8 W. 19th Mar. 1888, No. 892 W. 21st Oct. 1887, No. 2823 W. 17th Oct. 1887, No. 2766 W.
The above forwarded for the favorable consideration of the Government of India.	18th do. do. No. 142 W.	......
Pattern of great-coat to be worn by officers and subordinates of Civil Departments on Field service.—Circular from the Government of India regarding the —, communicated to officers concerned.	18th do. do. No. 144 W.	13th Aug. 1889, No. 2195 W. 18th Jan. 1890, No. 144 W.
Scrutiny of estimates for Municipal works.—Proceedings, Local and Municipal Department, ordering that the rules for levying a percentage for the scrutiny of Local Fund estimate will in future apply for the — also, communicated to Superintending Engineers.	18th do. do. No. 145 W.	29th April 1889, No. 1137 W. 8th Nov. 1889, No. 3192 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Head-quarters of the Presidency Division.—Correspondence on the subject of the removal of the — from Bangalore to Madras.	18th Jan. 1890, No. 146 W.	1st July 1889, No. 1729 W. 24th June 1889, No. 393 D. 16th May 1889, No. 182 D.
Artillery Hospital at Cannanore.—Proceedings, Financial Department recording Proceedings, Public Works Department, reporting the transfer of the — to the Police Department, recorded.	18th do. do. No. 147 W.	19th Dec. 1889, No. 3619 W.
Correspondence.—Proceedings, Public Department, communicating Government of India letter regarding direct official communications between Government officials in India and those in the United Kingdom, &c., recorded with reference to G.O., No. 59 W., dated 9th January 1890.	18th do. do. No. 148 W.	9th Jan. 1890, No. 59 W.
Mr. Brassington's deposit in the Civil Engineer's Provident Fund.—Office note from the Examiner explaining the reasons of the reference made to the Government of India relating to the closing of — and suggesting that in the case of this and similar funds subscriptions should be discontinued six months before the known date of an officer's retirement to enable the amounts to be accurately closed before the officer's retirement, ordered to be forwarded to the Government of India.	18th do. do. No. 149 W.	24th Aug. 1889, No. 753 D. 14th Dec. 1889, No. 3575 W. 16th Oct. 1889, No. 2912 W. 1st Oct. 1889, No. 4386 C. 26th Nov. 1889, No. 3357 W. 27th Sept. 1889, No. 4349 C. 10th Dec. 1888, No. 3872 W. 26th Aug. 1887, No. 2310 W.
Forwarded	18th do. do. No. 150 W.	......
Promotion of officers to the superior posts of the Public Works Department.—Sanction of the Government of India to the proposals made for the —, communicated to officers concerned.	18th do. do. No. 151 W.	......
Alterations and improvements to No. 5 Barrack at Wellington.—Plan and estimate for — returned to the Superintending Engineer, IV Circle, for sanction.	18th do. do. No. 152 W.	......
1st Madras Pioneers at Bangalore.—Estimate of Rs. 2,688 for constructing wells and drains in the lines of the —, sanctioned.	18th do. do. No. 153 W.	18th Jan. 1890, No. 153 W. 10th Aug. 1889, Nos. 2155-56 W.
C. Anappa, late Channel Superintendent, Kistna District.—Declining to forward to the Government of India petition of — for the grant of a pension or gratuity for reasons stated.	18th do. do. No. 155 W.	8th Oct. 1881, No. 2477 W. 9th Feb. 1881, No. 359 W. 17th Jan. 1881, No. 122 W. 16th Nov. 1886, No. 3027 W. 5th Oct. 1886, No. 3432 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Temporary Estate Clerks in Superintending Engineer's office, I Circle.—Sanction given in G.O., No. 1010 W. of 11th April 1889 for the employment of —, renewed for 1890-91.	18th Jan. 1890, No. 156 W.	11th April 1889, No. 1010 W. 12th Mar. 1889, No. 1261 C. 27th Mar. 1888, No. 991 W. 16th May 1887, No. 1335 W. 28th Oct. 1884, No. 2659 W.
A. Raghavulu, Acting Clerk, Northern Sub-division of the Buckingham Canal Division.—Proceedings, Educational Department, sanctioning the temporary exemption from the examination rules of —, communicated to the Superintending Engineer, II Circle.	18th do. do. No. 157 W.	6th Dec. 1889, No. 5716 C.
Warm clothing.—Purchase of — at a cost of Rs. 22-10-0 for two messengers and one lascar attached to the office of the Superintending Engineer, I Circle, sanctioned conditionally.	20th do. do. No. 158 W.	1st Mar. 1889, No. 1013 C. 16th Jan. 1888, No. 156 W. 12th July 1887, No. 1869 W. 30th Nov. 1886, No. 3167 W. 26th Nov. 1886, No. 3141 W. 5th Jan. 1886, No. 26 W.
Examination of Subordinate Forest-officers in levelling.—Letter from Superintending Engineer, VI Circle, inquiring whether G.O., No. 1308 W., dated 3rd May 1888, regarding the — to be undertaken by officers of the Public Works Department is superseded or not by G.O., No. 2673 W. of 25th September 1889, recorded with reference to G.O., No. 8 W., dated 6th January 1890.	20th do. do. No. 159 W.	6th Jan. 1890, No. 8 W. 25th Sept. 1889, No. 2673 W. 3rd May 1888, No. 1308 W.
Mr. F J. Wilson, Assistant Engineer.—Application of — for the extension of subsidiary leave on return from furlough so as to include the Christmas vacation, sanctioned.	20th do. do. No. 160 W.	7th Jan. 1890, No. 63 C. 25th Nov. 1889, No. 5494 C. 18th Nov. 1889, No. 5372 C.
Admission of salary to a Government servant for the day of his death.—Ruling that salary is admissible for a Government servant for the day of his death, and that his appointment does not become vacant until the succeeding day.	20th do. do. No. 161 W.	.....
Seven Pagodas Light-house.—Proceedings, Financial Department, instructing the Accountant-General to place Rs. 192 at the disposal of the Public Works Department from Port funds for the construction of a wall around the well at the —, communicated to Superintending Engineer, II Circle, and Examiner, Public Works Accounts.	20th do. do. No. 162 W.	20th Dec. 1889, No. 3624 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Accounts.—Proceedings, Financial Department, communicating to Departments of Government resolution of the Government of India directing the submission by the departments noted of consolidated statements showing excesses over sanctioned grants, communicated to the Examiner, Public Works Accounts.	20th Jan. 1890, No. 164 W.	......
Stone-breaking Machine at the Public Works Stores.—The Secretary to the Chief Commissioner of Coorg, Public Works Department, informed that this Government is not disposed to accept a lower price for the — than Rs. 663, which is half the cost at which it was obtained from England.	20th do. do. No. 165 W.	7th Dec. 1889, No. 5735 C. 21st Oct. 1889, No. 4806 C. 26th June 1878, No. 2643 W.
Government building at Barur, used for a residence for the Sub-divisional officer.—Letter from the Executive Engineer, Coimbatore Division, reporting that the — has been destroyed by fire on the 30th December 1889, recorded with remark.	20th do. do. No. 166 W.	......
Jetty at Cochin.—Proceedings, Local and Municipal Department, approving estimate for re-constructing the — on condition that the work will be constructed by the Municipality, and stating that the payment of grant applied for will be considered in the Financial Department.	20th do. do. No. 167 W.	7th Dec. 1889, No. 5733 C. 7th Oct. 1889, No. 2804 W. 30th Aug. 1889, No. 780 D. 20th Aug. 1889, No. 3751 C. 1st July 1889, No. 1730 W. 13th May 1889, No. 1276 W. 28th Feb. 1889, No. 599 W. 9th Feb. 1888, No. 463 W. 24th Jan. 1888, No. 284 W.
Draftsman, Chingleput Division.—The employment of a — on Rs. 40 per mensem for one month, sanctioned.	20th do. do. No. 168 W.	17th Oct. 1889, No. 4708 C. 18th July 1889, No. 1942 W. 22nd May 1889, No. 216 D. 8th June 1889, No. 1524 W. 2nd Mar. 1889, No. 628 W. 3rd Dec. 1888, No. 4854 C. 11th Jan. 1888, No. 98 W. 9th Dec. 1887, No. 4546 C. 29th Mar. 1887, No. 244 I.
Statement of payments made in England on account of stores and freight and of invoices despatched to India during November 1889, communicated to the Superintending Engineer, V Circle, and the Examiner, Public Works Accounts.	20th do. do. No. 169 W.	11th Dec. 1889, No. 3538 W. 7th Nov. 1889, No. 3164 W. 9th Oct. 1889, No. 2818 W. 3rd Sept. 1889, No. 2432 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Buildings at Ramandrug.—Proceedings, Military Department, requesting to re-transfer the — to the Military Department for occupation by young soldiers from Secunderabad, communicated to the Superintending Engineer, III Circle, to arrange accordingly.	20th Jan. 1890, No. 170 W.	19th July 1889, No. 1949 W. 4th July 1889, No. 451 D. 15th June 1889, No. 1577 W. 19th Mar. 1889, Nos. 824-25 W. 30th Jan. 1889, No. 248 W. 6th Oct. 1888, No. 3143 W. 22nd Sept. 1888, No. 2981 W. 10th Jan. 1885, No. 84 W.
Papers for the Editors' Table.—Memorandum in the Public Department instructing that the arrangement at present in force under which — are delivered by Government messengers is not to be disturbed with regard to the Madras papers, recorded.	20th do. do. No. 171 W.	......
Notes of inspection of the Buckingham Canal Division office submitted by the Examiner, Public Works Accounts, for November 1889, communicated to the Superintending Engineer, II Circle, with remarks.	21st do. do. No. 173 W.	12th Nov. 1887, No. 3059 W. 16th Mar. 1889, No. 805 W. 23rd Aug. 1889, No. 2329 W. 26th June 1889, No. 1680 W. 12th Feb. 1889, No. 399 W. 18th Aug. 1885, No. 709 I.
Quarterly list of memorials addressed to the Government of India and withheld by the Government of Madras for the quarter ending 31st December 1889, forwarded to the Government of India, Public Works Department.	21st do. do. No. 174 W.	11th Oct. 1889, No. 2859 W.
Quarterly list of memorials addressed to Home Government and withheld by the Government of Madras for the quarter ending 31st December 1889, forwarded to the Government of India, Public Works Department.	21st do. do. No. 175 W.	11th Oct. 1889, No. 2854 W. 19th July 1889, No. 1951 W. 25th April 1889, No. 1099 W.
Roads from Alanganallore to Oorsary and Puduputty, Madura District.—The proposals of the Chief Engineer, Periyár Project, for the execution by No. II Periyar Division of improvements to the — without any charge being made for departmental supervision, sanctioned.	21st do. do. No. 176 W.	......
Mr. C. M. Smith, Executive Engineer.—Declining to relax the rules in favor of — who overstayed his leave by not being prepared to leave Madras by a certain date.	21st do. do. No. 177 W.	5th Nov. 1889, No. 5087 C. 23rd Oct. 1888, No. 4058 C. 25th Nov. 1889, No. 3342 W. 18th Dec. 1889, No. 5905 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Native Infantry Lines at Vizianagrum.—Estimate of Rs. 1,300 for sinking a new well and constructing additional drains in the —, returned to the Superintending Enginer, I Circle, for sanction.	21st Jan. 1890, No. 178 W.	......
Sergeant E. Price, Apprentice Overseer.—Advance of Rs. 80 to —, sanctioned.	21st do. do. No. 180 W.	......
Form No. 152-*A.*—Directing, with reference to the request of the Superintending Engineer, II Circle, for the cancelment of —, that that form must be maintained and used.	21st do. do. No. 181 W.	19th Oct. 1888, No. 3332 W. 25th Mar. 1887, No. 912 W. 8th June 1888, No. 290 D. 5th June 1888, No. 269 D. 19th July 1888, No. 2209 W. 8th Nov. 1887, No. 2984 W.
Ulavapalla Branch Channel, Nellore.—Permitting to charge off to the work the sum of Rs. 23-6-0 due from certain contractors for departmental charges incurred in their portion of contract work on —.	21st do. do. No. 182 W.	......
Clerks and lascars that accompanied Colonel Vibart, R.E., to the Nilgiri Hills.—Authorising the grant, as a special case, to the — of the allowances which would be admissible had Colonel Vibart's visits been in the interests of the public service.	21st do. do. No. 183 W.	9th Jan. 1890, No. 103 C. 21st Dec. 1889, No. 5969 C. 29th Nov. 1889, No. 5599 C. 18th Nov. 1889, No. 3272 W. 15th Nov. 1889, No. 5339 C. 17th Oct. 1889, No. 4710 C. 19th Sept. 1889, No. 4217 C.
A. Lakshminarayana, late Lock Superintendent, Chintalapudi Central Division, Godávari District.—Orders on petition from,—praying to be reinstated in his former appointment.	21st do. do. No. 184 W.	3rd Sept. 1889, No. 3918 C.
Native Cavalry Regiment at Bellary.—Estimate of Rs. 1,202 for re-roofing the regimental stores of the —, returned to the Superintending Engineer, III Circle, for sanction.	21st do. do. No. 185 W.	......
Accounts of Rushikulya Division for November 1889.—Letter from Superintending Engineer, I Circle, stating that the arrears of annas twelve, being the unclaimed wages of labourers referred to in para. 3 of the Examiner's note No. 1450, dated 10th October 1889, have been credited to Provincial Revenue in the —, recorded.	21st do. do. No. 186 W.	14th Dec. 1889, No. 5863 C. 18th July 1889, No. 3271 C. 10th July 1889, No. 3149 C. 22nd Mar. 1889, No. 1506 C. 13th April 1887, No. 1020 W. 14th Oct. 1887, No. 2881 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 30th Sept. 1889, No. 4357 C. 27th Aug. 1889, No. 3839 C. 5th July 1889, No. 1778 W. 24th Nov. 1887, No. 3208 W. 23rd June 1883, No. 500 I. 8th May 1882, No. 377 I.
Annual Administration and progress report of the Public Works Department, North Western Provinces and Oudh, in the Buildings and Roads Branch, for 1888-89.—Letter from the Secretary to Government, Public Works Department, North Western Provinces and Oudh, forwarding a copy of the —, recorded.	21st Jan. 1890, No. 187 W.	20th Feb. 1889, No. 511 W. 16th Mar. 1888, No. 874 W. 20th Dec. 1886, No. 3356 W. 20th Jan. 1886, No. 161 W. 7th Jan. 1885, No. 41 W.
Re-appropriation of budget grants.—Sanction of the Government of India to certain —, recorded with reference to G.O., No. 151 W., dated 18th January 1890.	21st do. do. No. 188 W.	18th Jan. 1890, No. 151 W. 31st Dec. 1889, No. 3665 W. 6th Jan. 1890, No. 4 W. 21st Dec. 1889, No. 3638 W.
Revised digest of orders in the Public Works Department, North Western Provinces and Oudh, Buildings and Roads Branch.—Letter from the Government, North Western Provinces and Oudh, Public Works Department, forwarding two copies each of S.O., Nos. 48, 49 and 50 for insertion in the —, recorded.	21st do. do. No. 189 W.	25th July 1889, No. 2007 W. 21st Jan. 1889, No. 160 W. 3rd Aug. 1888, No 2363 W. 27th July 1887, No. 2018 W. 20th July 1886, No. 1844 W.
Funds.—Orders on letter from the Superintending Engineer, VI Circle, regarding certain grants provided in the Provincial Budget for 1890-91 (Preliminary issue).	22nd do. do. No. 190 W.	7th Jan. 1890, No. 39 W. 29th Aug. 1888, No. 2665 W. 21st Dec. 1889, Nos. 3634-35 W. 28th Nov. 1889, No. 5585 C. 11th Sept. 1884, No. 2226 W.
Mr. B. J. Mathews, Tunneller, Periyár Project.—Ordered that the Government of India be strongly recommended to grant free quarters to — while employed on the project.	22nd do. do. No. 191 W.	19th Dec. 1889, No. 3611 W. 25th Oct. 1889, No. 3022 W. 6th Sept. 1889, No. 2479 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(Continued.) 9th Aug. 1889, Nos. 2148-49 W. 24th June 1889, No. 1659 W.
Recommended accordingly	22nd Jan. 1890, No. 192 W.	......
Mr. B. J. Mathews, Tunneller, Periyár Project.—Ordered that the Government of India be requested to continue the family remittance of —, and that he be re-engaged after the expiry of his agreement on increased salary with free quarters.	22nd do. do. No. 193 W.	......
The Government of India addressed on the above	22nd do. do. No. 194 W.	......
Lists of candidates for employment in the Public Works Department, corrected up to 1*st January* 1890.—Letter from the Government of Bengal forwarding printed —, recorded.	22nd do. do. No. 195 W.	14th Jan. 1889, No. 90 W. 23rd Jan. 1888, No. 266 W.
Invalid gratuity.—Proceedings, Pension Department, granting an — to Dasari Rajenna, late lascar, Public Works Department, Nellore division, recorded.	22nd do. do. No. 196 W.	......
Land compensation bills, Buckingham Canal division.—Proceedings, Revenue Department, recording Proceedings, Public Works Department, forwarding explanation of the Executive Engineer regarding delay in the payment of certain —, recorded.	22nd do. do. No. 197 W.	9th Dec. 1889, No. 3508 W. 6th Nov. 1889, No. 3166 W. 19th Sept. 1889, No. 2585 W. 20th June 1889, No. 1621 W. 26th April 1889, No. 1131 W. 23rd Nov. 1889, No. 3335 W.
Mr. Irwin, Consulting Architect to Government.—The Examiner, Public Works Accounts, directed to adjust the claim of — to pay as Superintending Engineer, III class, temporary, while in transit to Madras.	22nd do. do. No. 198 W.	25th Nov. 1889, No. 3345 W. 25th Sept. 1889, Nos. 4297-98-99 C. 27th Aug. 1889, No. 767 D. 26th April 1889, Nos. 1120-21 W. 8th April 1889, No. 17 D.
Borings for the Mahasingi bridge.—Proceedings, Judicial Department, intimating that Rs. 60 for the —will be placed at the disposal of the Public Works Department from the allotment of Rs. 6,000 for the Mahangiri ghât road in the Ganjam Agency Budget of the current year, communicated to the Superintending Engineer, I Circle.	22nd do. do. No. 199 W.	5th Dec. 1889, No. 3463 W. 29th Nov. 1889, No. 5591 C. 5th Nov. 1889, No. 5080 C. 14th Jan. 1889, No. 89 W. 6th Nov. 1888, No. 3533 W.
Rai Sahib N. Rutanasabhapathi Pillai, B.A ,B.C.E., Assistant Engineer, First Grade.—Orders on appeal from — for promotion to the grade of Executive Engineer.	22nd do. do. No. 200 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
D. Ramannah Naidu, Anicut Superintendent, Godávari, Eastern division.—Stating that the Government does not consider a case has been made out for an increase of pay to —.	22nd Jan. 1890, No. 201 W.	19th Dec. 1889, No. 5919 C. 27th Nov. 1889, No. 5543 C. 5th Mar. 1887, No. 678 W. 21st Sept. 1885, No. 626 E. 10th Sept. 1885, No. 2056 D. 7th Aug. 1885, No. 1830 W. 30th Sept. 1878, No. 3822 W. 6th Feb. 1889, No. 328 W.
New High Court Buildings, Madras.—Making certain appropriations from the sum of Rs. 21,000 surrendered by the Consulting Architect to Government from the grant to the —.	22nd do. do. No. 202 W.	18th Nov. 1889, No. 5379 C. 13th Sept. 1889, No. 2551 W. 29th Aug. 1889, No. 2394 W. 27th June 1889, No. 1696 W. 28th Mar. 1889, No. 914 W.
Police huts at Thadamputty, Madura district.— Permitting to write off the returns the four — burnt down by accident.	22nd do. do. No. 203 W.	21st Aug. 1889, No. 2293 W.
Daily allowance for apprentice Engineers and Examiners.—Proceedings, Financial Department, recording letter from the Government of India stating that the rate of — for places outside the Madras Presidency is Rs. 4 and noting with remarks the rate of Rs. 3 which has been fixed for the Madras Presidency, communicated to the Examiner, Public Works Accounts.	22nd do. do. No. 204 W.	9th Jan. 1890, No. 119 C. 18th April 1889, No. 1065 W. 25th July 1888, No. 2267 W. 8th May 1888, Nos. 1352-53 W.
Bridges on Coonoor-Kullar road.—Endorsement from the Examiner stating that the Superintending Engineer can sanction the excess of Rs. 730-2-6 over the sanctioned estimate for repairs to the —, communicated to the Superintending Engineer, IV Circle, with remark.	22nd do. do. No. 205 W.	......
Mr. C. B. Target, Executive Engineer.—Note by the Examiner, Public Works Accounts, Burma, on the application of — for a refund of the sums of Rs. 18-12-3 and Rs. 7-6-9 paid by him on account of income tax while serving in Burma, communicated, with remarks, to the Chief Engineer, Periyár Project.	22nd do. do. No. 206 W.	20th Nov. 1889, Nos. 3291-92 W.
Tekkali-Anantagiri road and Itchapore-Jarada road in the Ganjam district.—Letter from the Superintending Engineer, I Circle, reporting the actual expenditure to end of November last on — and stating that a further report will be made after the allocation is completed, communicated to the Financial Department.	22nd do. do. No. 207 W.	22nd July 1889, No. 1971 W. 19th Oct. 1889, No. 2961 W. 5th Oct. 1889, No. 4486 C. 1st Aug. 1889, No. 2075 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 19th June 1889, No. 352 D. 6th June 1889, No. 295 D. 5th June 1889, No. 1475 W. 1st June 1889, No. 1447 W. 26th April 1889, No. 1135 W.
Ordnance lines at Madras.—Endorsement from the Director-General of Ordnance in India intimating the sanction of the Government of India to the sum of Rs. 7,650 being utilized from the grant of Rs. 10,000 for the workshops in the Bellary Arsenal for renewing the roofs of the — and the balance placed at the disposal of the Inspector-General of Ordnance for petty and minor works — recorded, with reference to G O., No. 84 W., dated 14th January 1890.	22nd Jan. 1890, No. 208 W.	14th Jan. 1890, Nos. 84-85 W.
Mr. P. J. E. Dias, Clerk, new Wynaad Sub-division.—Advance of a month's pay to —, sanctioned.	22nd do. do. No. 209 W.	......
Quarters for Lady Nurses at Wellington.—Estimate of Rs. 765 for improvements to the — returned with remarks to the Superintending Engineer, IV Circle, for execution.	22nd do. do. No. 210 W.	8th Nov. 1888, No. 3562 W. 12th May 1388, No. 1389 W.
Sergeant R. T. Healy, Supervisor.—Grant of Presidency house-rent and allowance to — from 17th October to 14th November 1889, sanctioned with remarks.	22nd do. do. No. 211 W.	12th Sept. 1889, No. 4077 C. 7th Jan. 1890, No. 46 C.
Postal remittances.—Proceedings, Financial Department, communicating resolution of the Government of India authorizing all heads of Account offices to pass all unavoidable charges for postal commission as ordinary contingent charges and also Local Governments to finally sanction such charges in doubtful cases, and directing the discontinuance of the report required under the resolution quoted —, communicated to the Examiner, Public Works Accounts.	23rd do. do. No. 212 W.	......
Compensation gratuities.—Proceedings, Pension Department, granting — to certain individuals lately employed in the Public Works Department, Kurnool division, recorded.	23rd do. do. No. 213 W.	......
Petition Rules.—Proceedings, Public Department, notifying in the *Fort St. George Gazette*, and communicating to all heads of Departments, revised rules respecting petitions addressed to the Madras Government, communicated to officers of the Public Works Department.	23rd do. do. No. 214 W.	......
Minor Works, Telegraph Buildings, Madras.—Endorsement from the Government of India sanctioning with remarks an additional allotment of Rs. 1,120 for —, communicated to the Examiner, Public Works Accounts.	23rd do. do. No. 215 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Petition rules.—Proceedings, Public Department, communicating Government of India letter intimating that the provisions in section III of the rules for the submission of memorials to that Government takes the place of the instructions conveyed in the letter quoted —, recorded with reference to G.O., No. 3492 W., dated 7th December 1889.	23rd Jan. 1890, No. 218 W.	7th Dec. 1889, No. 3492 W. 3rd Nov. 1885, No. 2572 W. 27th June 1888, No. 544 R. 4th Nov. 1884, No. 2730 W.
Rs. 67-4-11, *unclaimed money, due to certain contractors.*—The action of the Executive Engineer, Coimbatore Division, in having credited to Provincial Revenue the sum of —, sanctioned with remark.	23rd do. do. No. 219 W.	2nd Jan. 1890, No. 4 C.
Promotion recommendation roll of superior officers of the Accounts Branch for the year ending 31st December 1889, ordered to be forwarded to the Government of India.	23rd do. do. No. 220 W.	......
Forwarded with remarks	23rd do. do. No. 221 W.	......
Madras College of Engineering.—Endorsement from the Educational Department reporting the number of draftsmen and estimators who have obtained certificates since 1860, when for the first time a special class for training draftsmen was formed in the —, ordered to be forwarded to the Government of India.	24th do. do. No. 227 W.	27th Nov. 1889, No. 3378 W. 18th Jan. 1886, No. 138 W.
Forwarded	24th do. do. No. 228 W.	......
Drawings of architectural designs to be published by Colonel Jacob, Executive Engineer, Jeypore.—Proceedings, Educational Department, stating that the Government of India will be informed that 12 copies of the — could be disposed of in this Presidency, communicated to the Consulting Architect to Government.	24th do. do. No. 229 W.	7th Nov. 1888, No. 4335 C.
Statement of savings and demands, V Circle (Excluded Local Fund).—Orders on the — for the quarter ending 31st December 1889.	24th do. do. No. 230 W.	......
Bi-monthly return of stores under Provincial by the Director-General of Stores for India up to 30th November 1889, communicated to officers concerned.	24th do. do. No. 231 W.	18th Nov. 1889, Nos. 3273-74 W. 14th Sept. 1889, Nos. 2556-57 W.
Copy of the above forwarded to the Government of India.	24th do. do. No. 232 W.	......
Mrs. Mary Anne Cope.—Sanctioning to write off the miscellaneous advances account of the Nellore division the charge of Rs. 2-8-0 for completing the register with reference to the burial of —.	24th do. do. No. 233 W.	13th Oct. 1888, No. 3272 W.
Taluk Cutcherry at Vinukonda.—Proceedings, Financial Department, directing to omit G.O., No. 903 W., dated 20th March 1883, and directing to prepare estimates for treasury and record rooms to the — from the list of unanswered references, communicated to the Superintending Engineer, II Circle.	24th do. do. No. 234 W.	9th Jan. 1890, No. 116 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Inspection report of the Kurnool Division office.—The — by the Examiner, Public Works Accounts, dated 31st October 1889, communicated to the Superintending Engineer, III Circle.	24th Jan. 1890, No. 235 W.	26th Sept. 1889, No. 4313 C. 27th Aug. 1889, No. 2360 W. 16th Feb. 1889, No. 479 W.
Report of the Berhampore Municipality for 1888-89.—Proceedings, Financial Department, drawing the attention of the Public Works Department to para. 9 of G.O. reviewing the —, communicated to the Superintending Engineer, I Circle, for report.	24th do. do. No. 236 W.	19th Dec. 1889, No. 3617 W. 26th Jan. 1888, No. 324 W. 7th Nov. 1889, No. 5134 C. 23rd Aug. 1889, No. 2318 W. 21st Nov. 1889, No. 3309 W. 13th Nov. 1889, No. 3221 W.
Unanswered references from the Government of India.—Quarterly statement of — Military Department, up to 31st December 1889, forwarded to the Government of India.	24th do. do. No. 237 W.	11th Jan. 1890, No. 83 W. 22nd Oct. 1889, No. 2991 W.
Mr. E. A. S. Nicholas, Overseer, Seven Wells.—Letter from the Superintending Engineer, V Circle, stating that the signature to the petition complaining against — is not genuine, recorded.	24th do. do. No. 238 W.	6th Dec. 1889, No. 5718 C. 6th Jan. 1890, No. 2 (Public.) 29th Nov. 1889, No. 3412 W. 6th Aug. 1889, No. 621 D. 13th April 1889, No. 47 D. 23rd Mar. 1889, No. 872 W. 25th Jan. 1889, No. 205 W. 18th May 1885, No. 1173 W.
Tenth tour of His Excellency Lord Connemara, G.C.I.E.—Narrative of the —, recorded.	24th do. do. No. 239 W.	......
Eleventh tour of His Excellency Lord Connemara, G.C.I.E.—Narrative of the —, recorded.	24th do. do. No. 240 W.	......
Town drainage scheme of the Kumbakónam Municipality.—The Superintending Engineer, VI Circle, requested to nominate a competent upper subordinate for attending to the —.	24th do. do. No. 247 W.	10th Sept. 1889, No. 2514 W. 13th Aug. 1889, No. 681 D. 9th Aug. 1889, No. 652 D. 27th June 1889, No. 1695 W.
Land Acquisition Act.—Proceedings, Revenue Department, directing that in cases where a large amount of work has to be done the lands required for public purposes should be acquired under the —, and sanctioning the extra establishment required for settling compensation for lands acquired for the Periyár main and branch channels, communicated to the Chief Engineer for Irrigation and the Chief Engineer Periyár Project, and to all Superintending Engineers.	24th do. do. No. 248 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Hiring of quarters.—The — for Conductor Evans at Bellary at a rent exceeding the authorised scale, sanctioned.	24th Jan. 1890, No. 249 W.	6th Jan. 1890, No. 13 W. 21st Nov. 1889, No. 5442 C. 13th Nov. 1889, No. 5254 C. 4th Nov. 1889, No. 3132 W. 30th Oct. 1888, No. 3448 W. 8th May 1888, No. 1363 W. 10th Nov. 1887, No. 3014 W.
Inspection report of the Godávari Central Division office.—Remarks of the Examiner, Public Works Accounts, on explanation of the Executive Engineer to certain items in the —, communicated to the Superintending Engineer, I Circle.	24th do. do. No. 250 W.	12th Nov. 1889, No. 5229 C. 23rd Sept. 1889, No. 2663 W. 29th July 1889, No. 3407 C.
Revised and budget estimates of receipts and charges of the Canal and Ferry Fund for 1889-90 *and* 1890-91.—Proceedings, Revenue Department, recording Proceedings, Board of Revenue, communicating to certain Collectors G.O. reviewing the —, recorded.	24th do. do. No. 251 W.	16th Jan. 1890, No. 128 W. 13th Nov. 1889, No. 5257 C. 28th Nov. 1889, No. 3399 W. 8th Oct. 1887, No. 635 D.
Mr. B. J. Mathews, Tunneller, Periyár Project.—The request of — to continue the remittance of £5 to his daughter, ordered to be communicated to the India office, and that his request to provide a passage for his wife be submitted to the Government of India.	24th do. do. No. 252 W.	......
The Under-Secretary of State requested to transfer to Miss Mathews the payment of £5 now made to Mrs. Mathews.	24th do. do. No. 253 W.	22nd Jan. 1890, Nos. 991—94 W. 19th Dec. 1889, No. 3611 W. 23rd July 1888, No. 2238 W. 14th Aug. 1888, No. 2478 W.
The Government of India requested to sanction Mrs. Mathews' passage to this country and to report the cost for recovery from Mr. Mathews.	24th do. do. No. 254 W.	......
Despatches received from the Secretary of State.—Forwarding to the Under-Secretary of State for India a list of — and remaining unanswered in the Public Works Department at the end of quarter ending 31st December 1889.	24th do. do. No. 255 W.	18th Oct. 1889, No. 2939 W. 21st Dec. 1889, No. 3642 D. 5th Oct. 1889, No. 4483 C.
Report on Native Newspapers.—The — for fortnight ending 15th November 1889, recorded.	24th do. do. No. 256 W.	......
Report on Native Newspapers.—The — for fortnight ending 30th November 1889, recorded.	24th do. do. No. 257 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Captain W. D. Lindley, R.E.—Regretting that the leave applied for by — cannot be granted.	24th Jan. 1890, No. 258 W.	7th Jan. 1890, No. 52 C. 27th Nov. 1889, No. 5541 C. 16th Nov. 1889, No. 5361 C. 17th Dec. 1889, No. 5885 C. 4th Dec. 1889, No. 5675 C. 22nd Oct. 1889, No. 4835 C. 12th Oct. 1889, Nos. 4616-17 C. 2nd Oct. 1889, No. 2768 W. 22nd Aug. 1889, No. 2303 W. 2nd May 1889, Nos. 2139-40 C. 20th Mar. 1889, No. 1449 C. 30th Mar. 1887, No. 957 W.
Inspection report of the Godávari Eastern Division office.—Remarks of the Examiner, Public Works Accounts, on explanation of the Executive Engineer on certain items in the —, communicated to the Superintending Engineer, I Circle.	27th do. do. No. 260 W.	22nd Nov. 1889, No. 5457 C. 11th Sept. 1889, No. 4042 C. 28th Aug. 1889, No. 2372 W. 23rd May. 1889, No. 1383 W. 1st Nov. 1888, No. 3461 W. 17th Aug. 1888, No. 2523 W.
Promotion of Executive Engineers, 2nd grade to 1st grade.—Papers relative to the —, recorded.	27th do. do. No. 265 W.	19th Mar. 1889, Nos. 822-23 W. 19th Dec. 1888, No. 3966 W. 30th Oct. 1888, Nos. 3445-46 W. 22nd Oct. 1888, Nos. 3558-59 W. 13th Dec. 1889, No. 5853 C.
Cash-book, &c., of the Superintending Engineer's office, VI Circle.—Notes of examination by the Deputy Examiner, Public Works Accounts, of the —, communicated to the Superintending Engineer, VI Circle.	27th do. do. No. 267 W.	17th Mar. 1888, No. 888 W.
Blankets for Lascars, Periyár Project.—Estimate of Rs. 18 for —, sanctioned.	27th do. do. No. 268 W.	1st Aug. 1889, No. 2065 W. 11th Sept. 1888, No. 2819 W.
Unanswered reference list of the Consulting Architect to Government.—Granting permission for the omission of G.O., No. 835 W., dated 27th March 1884, from the —.	27th do. do. No. 269 W.	16th Jan. 1889, No. 1915 W. 22nd Jan. 1889, No. 167 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Mr. A. M. Foord, Executive Engineer, 4th Grade.—Ordered that the Government of India be requested to furnish the letter of appointment of —, of the R. I. Engineering College, Cooper's Hill, to enable the Examiner to report on an application for furlough from that officer.	27th Jan. 1890, No. 270 W.	3rd Nov. 1879, No. 2754 W. 7th Jan. 1890, No. 55 C.
The Government of India addressed accordingly.	27th do. do. No. 271 W.	......
Payments to Head-quarter establishment and for miscellaneous purposes.—Approving proposal of the Examiner, Public Works Accounts, to introduce the procedure sanctioned by the Government of India for —.	27th do. do. No. 272 W.	......
Mr. C. Ashworth, Contractor, Bangalore.—Report of the Superintending Engineer, V Circle, on the work done by —, recorded with reference to G.O. No. 163 W., dated 20th January 1890.	27th do. do. No. 276 W.	......
Tools and Plant, Nilgiri division.—Allotting Rs 4,475 for —.	27th do. do. No. 277 W.	21st Dec. 1889, No. 5996 C. 16th July 1889, No. 1908 W. 2nd Oct. 1888, No. 3085 W. 13th Sept. 1887, No. 2464 W. 2nd Mar. 1886, No. 551 W.
Land Revenue Settlement Report for fasli 1297 (1887-88).—Distributing bound copies of the —.	27th do. do. No. 278 W.	......
Clerks and draftsmen of the Presidency division office.—Stating that — who are unwilling to accept service unconditionally in the Military Works Department may retire on pensions or gratuities under the rules relating to abolition of appointment.	28th do. do. No. 279 W.	21st Dec. 1889, Nos. 3645-46 W. 6th July 1888, No. 2043 W. 30th May 1888, No. 2037 C. 15th May 1888, No. 1415 W. 16th Feb. 1888, No. 537 W. 19th Oct. 1887, No. 2780 W. 29th Aug. 1887, No. 2323 W.
Inspection report of the North Arcot division office.—The — by the Examiner, Public Works Accounts, dated 2nd December 1889, communicated to the Superintending Engineer, V Circle, with remarks.	28th do. do. No. 280 W.	13th Sept. 1888, Nos. 2855-56 W.
Inspection report of the Bellary division office.—The — by the Examiner, Public Works Accounts, dated 29th October 1889, communicated to the Superintending Engineer, III Circle, with remarks.	28th do. do. No. 281 W.	20th May 1889, No. 1343 W. 13th Sept. 1888, No. 2855 W.
Training School for Mistresses, Madras.—Allotting an additional grant of Rs. 4,004 for improvements to the —.	28th do. do. No. 282 W.	22nd Nov. 1889, No. 3330 W. 15th Nov. 1889, No. 5340 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 8th Oct. 1889, No. 4533 C. 16th Aug. 1889, No. 3700 C. 13th July 1889, No. 3203 C. 21st Feb. 1889, Nos. 529-30-31 W. 1st Nov. 1889, No. 3101 W. 28th Oct. 1889, No. 4909 C. 24th Oct. 1889, No. 2986 W.
Rates for spreading and tamping metal.—Note by the Chief Engineer, Public Works Department, regarding —, communicated to the Local and Municipal Department.	28th Jan. 1890, No. 283 W.	......
Wing of British Infantry at St. Thomas' Mount.—Proceedings, Military Department, deferring for the present the consideration of the question of the provision of accommodation for a —, communicated to the Superintending Engineer, V Circle, with instructions.	28th do. do. No. 284 W.	5th Dec. 1889, No. 3428 W. 2nd Oct. 1888, No. 3084 W.
Advances of Pay.—Proceedings, Financial Department, communicating to Departments, Government of India Resolution regarding an addition to the rule as to the grant of — to officers under order of transfer up to a certain amount.	28th do. do. No. 285 W.	......
Chief and Superintending Engineers of the Military Works and Public Works Departments.—Resolution of the Government of India regarding the separation of lists for the promotion of — respectively, recorded.	28th do. do. No. 286 W.	......
House near the telegraph cable house at Pamban.—Proceedings, Marine Department, instructing the Presidency Port Officer regarding the sale of the —, communicated to the Superintending Engineer, VI Circle.	28th do. do. No. 287 W.	......
Tamkam bungalow.—Estimate for repairs to the —, forwarded to the Superintending Engineer, VI Circle.	28th do. do. No. 288 W.	......
Inspection report of the Deputy Examiner, Public Works Accounts, of the Kistna Eastern division office.—The Executive Engineer's reply to item 7 of the summary of — returned by the Examiner, Public Works Accounts, recorded.	28th do. do. No. 289 W.	8th Jan. 1890, No. 69 C. 13th Dec. 1889, No. 5856 C. 11th Dec. 1889, No. 3531 W.
Mr. W. B. de Winton, Executive Engineer.—Memorial of — to the Secretary of State regarding arrears of furlough pay due to him, ordered to be forwarded to the Government of India.	29th do. do. No. 291 W.	......
Forwarded	29th do. do. No. 292 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Mr. J. M. Bell, Executive Engineer.—Memorial of —, to the Secretary of State, ordered to be forwarded to the Government of India.	29th Jan. 1890, No. 293 W.	......
Forwarded	29th do. do. No. 294 W.	......
Conditions of transfer of buildings.—The Examiner informed in reply to his query regarding the —, that each case will be dealt with on its merits and the conditions will be specified in future similar cases.	29th do. do. No. 295 W.	30th Dec. 1889, No. 3662 W. 5th Nov. 1889, No. 5067 C.
Recovery of over payments to re-employed Pensioners. Proceedings, Pension Department, inviting the attention of all officers concerned to the provisions of article 564 of Civil Service Regulations on the subject of re-employment of pensioners and warning them that in cases of over payments they will be recovered from them.	29th do. do. No. 296 W.	27th Aug. 1889, No. 2365 W.
Unanswered references from the Government of Madras, Public Works Department.—Proceedings, Public Department, communicating despatch from the Secretary of State forwarding list of —, recorded.	29th do. do. No. 297 W.	1st Aug 1889, Des. No. $\frac{15}{2069}$ W. 28th June 1889, Des. No. $\frac{14}{1718}$ W. 25th Sept. 1889, No. 2674 W.
Mr. E. J. Fernandez, late Accountant, 5th Grade, Office of the Examiner, Public Works Accounts.—Proceedings, Pension Department, sanctioning an invalid gratuity of Rs. 90 to —, recorded.	29th do. do. No. 298 W.	......
Mal Muthamah, widow of late Meli Narasimulu, lime burner at Dumagudiem.—Proceedings, Pension Department, sanctioning an extraordinary pension of Rs. 4 per mensem payable to —, recorded.	29th do. do. No. 299 W.	......
Unanswered reference list.—List of G. O.s. received by the Chief Engineer, Periyár Project, up to 30th September 1889 and remaining unanswered up to 31st December, recorded.	29th do. do. No. 300 W.	......
Home for British Soldiers and Sailors in Madras.—Proceedings, Military Department, approving the dimensions now given by the Superintendent, Revenue Survey, of the site for the proposed — in supersession of the dimensions previously given by the Deputy Collector.	29th do. do. No. 301 W.	29th July 1889, No. 2027 W. 22nd Nov. 1889, No. 3326 W.
N. Narasimha Murti Pantulu.—The employment of — an unpassed candidate, as overseer's clerk in the Ganjam division for a further period of two months, sanctioned.	29th do. do. No. 304 W.	21st Oct. 1889, No. 4807 C. 7th Jan. 1890, No. 40 C.
Canal and Ferry Funds.—Proceedings, Revenue Department, requesting the Financial Department to place at the disposal of the Public Works Department Rs. 10,822 from the — for certain works.	29th do. do. No. 305 W.	28th Nov. 1889, No. 3399 W. 13th Nov. 1889, No. 5257 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 2nd Nov. 1889, No. 5030 C. 1st Aug. 1889, No. 2066 W. 16th Jan. 1890, No. 128 W.
Mr. D. M. Dumphy, Accountant.—Dismissal of — from the public service (confidential.)	29th Jan. 1890, No. 306 W.	......
Drains at the Station Veterinary Hospital, Bangalore.—Proceedings, Military Department, communicating letter from the Quartermaster-General stating that funds for constructing — will be allotted from the Minor Works grant when funds are available, recorded.	30th do. do. No. 307 W.	11th Nov. 1889, No. 3231 W.
District Jail, Bellary.—Estimate for repairing the hospital and office of the —, forwarded to the Superintending Engineer, III Circle, for sanction and execution.	30th do. do. No. 308 W.	......
Harihara Row.—Proceedings, Educational Department, sanctioning the employment of — an unpassed candidate as a temporary clerk in the Ganjam-Gopálpúr Canal Sub-division.	30th do. do. No. 309 W.	8th Jan. 1890, No. 70 C. 21st Oct. 1889, No. 4803 C. 15th Aug. 1889, No. 63 D. 21st Dec. 1887, No. 3503 W.
Sea Custom's office at Ganjam.—Report of the valuation of the —, recorded with reference to G.O., No. 3661 W., dated 30th December 1889.	30th do. do. No. 310 W.	......
English Stores for the Nilgiri division.—The local purchase of certain —, sanctioned.	30th do. do. No. 313 W.	......
English Stores.—The local purchase of certain — in the V Circle, sanctioned.	30th do. do. No. 314 W.	......
Port Officer's bungalow at Pamban.—Rs. 142 surrendered from the grant for the — received and replaced at the disposal of the Financial Department.	31st do. do. No. 316 W.	18th Oct. 1889, No. 2945 W. 29th July 1889, No. 2039 W. 15th Oct. 1889, No. 2899 W. 8th Nov. 1889, No. 3185 W. 29th Oct. 1889, No. 4927 C. 29th Nov. 1889, No. 3404 W.
Wax cloth.—The purchase of $1\frac{1}{2}$ yards of — by the Consulting Architect to Government, sanctioned.	31st do. do. No. 317 W.	......
Training School for Mistresses.—Letter from the Consulting Architect to Government informing that the estimate of Rs. 26,370 for general repairs to the —, will be expended by Rs. 4,700.	31st do. do. No. 318 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Unauthorised appropriations.—Ordered that the statement of — for December 1889 be forwarded to the Accountant-General, Public Works Department.	31st Jan. 1890, No. 319 W.	11th Jan. 1890, No. 73 W. 22nd Oct. 1889, No. 2995 W.
Forwarded	31st do. do. No. 320 W.	......
D. Ramachendradu Pantulu.—Proceedings, Educational Department, sanctioning the employment of —, as a temporary clerk in the Ganjam division until a passed candidate is procured, communicated to the Superintending Engineer, I Circle.	31st do. do. No. 321 W.	......
Cannanore light-house.—Proceedings, Financial Department, instructing the Accountant-General to place the sum of Rs. 70 at the disposal of the Public Works Department for repairs to the —, communicated to the Superintending Engineer, IV Circle.	31st do. do. No. 322 W.	11th Jan. 1890, No. 76 W. 16th Nov. 1889, No. 3249 W.
Mr. J. W. Martin, Executive Engineer.—Ordered that the memorial of — to the Secretary of State be forwarded to the Government of India.	31st do. do. No. 323 W.	22nd Nov. 1889, No. 5452 C. 5th Nov. 1889, No. 3145 W.
Forwarded	31st do. do. No. 324 W.	......
Erratum.—The Government of India requested to issue an erratum with reference to a mistake in line 4 of Resolution No. 350 W., dated 13th December 1889.	31st do. do. No. 325 W.	6th Jan. 1890, No. 10 W.
Cash transactions of divisional offices.—Approving the rules framed by the Examiner, Public Works Accounts, for the conduct of — of the realisation of Government dues.	31st do. do. No. 327 W.	20th Aug. 1888, No. 2566 W. 29th May 1886, No. 1340 W. 5th Aug. 1885, No. 1819 W. 4th May 1885, No. 1043 W.
Inspection report of the South Arcot division office.—The — by the Examiner, Public Works Accounts, communicated to the Superintending Engineer, V Circle.	31st do. do. No. 328 W.	15th Nov. 1889, No. 3228 W. 14th Aug. 1889, No. 3666 C.
Alla Subbarayadu late Lock lascar, Godávari, Eastern Division.—Proceedings, Pension Department, granting a pension of Rs. 2-8-0 to —, recorded.	31st do. do. No. 329 W.	......
S. Nagozee Row, late Lock Superintendent, Kurnool division.— Proceedings, Pension Department, granting a compensation gratuity of Rs. 48 to —, recorded.	31st do. do. No. 330 W.	......
Negapatam division office.—Report of inspection of the — by the Superintending Engineer, VI Circle, on the 11th January 1890, recorded.	31st do. do. No. 331 W.	24th Jan. 1890, No. 446 C. 21st Nov. 1889, No. 3317 W. 28th Nov. 1888, No. 4745 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Grant of Rs. 20,000 *for Minor New Works.*—Proceedings, Military Department, communicating letter from the Quartermaster-General stating that the — in the preliminary issue of the Military Works budget for 1890-91 will not be distributed till the receipt of the final issue of the budget, recorded.	31st Jan. 1890, No. 332 W.	17th Dec. 1889, No. 3583 W.
Messrs. Clift and Target, Executive Engineers.—Confidential reports on — for year ended 31st December 1889, forwarded to the Government of India.	31st do. do. No. 333 W.	......